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In Cooperation with the New Jersey Department of Environmental Protection

Streamflow Characteristics and Trends in New Jersey, Water Years 1897-2003

Scientific Investigations Report 2005-5105

U.S. Department of the Interior
U.S. Geological Survey

NORTH AND SOUTH BRANCH RARITAN BASIN

01396500 South Branch Raritan River near High Bridge, NJ

The output begins with the basin name from the NJDEP list of 20 Watershed Management Areas (WMA's) in the State. The WMA is followed by the USGS station identification number. Each continuous-record streamflow-gaging station is assigned a unique identification number, which follows the "downstream order" system. The gaging station name is included in this table as well as the WMA name.

Location:	Latitude 40° 40' 40", Longitude 74° 52' 45", Hunterdon County, Hydrologic Unit 02030105, on left bank 1.0 mi northeast of High Bridge, and 4.4 mi upstream from Spruce Run.
Drainage area:	65.3 mi^2
Station type:	Continuous-record gaging station
Period of record:	1919-2001

The small print begins a description of the gaging station, including the location. The drainage area of the gaging station is recorded in square miles (mi^2). The station type is continuous-record gaging station, low-flow partial-record station (partial-record station) , or gaging station analyzed as partial-record station. A continuous-record gaging station records streamflow data at regular intervals throughout the day. The data, usually collected at 15-minute intervals, are used to compute daily mean-flow values. Gaging stations with less than 20 years of record were analyzed as partial-record stations and are labeled as such. The data output follows the same format as a partial-record station. The period of record is given in water years (October 1– September 30), starting with the first complete year of record at that station.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1919-2001	123	13	3,340	70

In this report cubic feet per second is written as (cfs). This table contains five basic statistics for streamflow at the gaging station. The period of record for the station is in water years. Mean annual flow is the arithmetic mean of the individual daily mean discharges for the designated period. The minimum flow value is the minimum instantaneous discharge for the period of record. The maximum flow value is the maximum instantaneous discharge for the period of record. The value for harmonic mean flow is a statistic used as a design flow applied to water-quality criteria for the protection of human health under lifetime exposure to toxic pollutants (Rossman, 1990). Some gaging stations may have a split period of record as a result of the augmentation of regulation or the withdrawal of regulation.

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1920-2001		**2**	**5**	**10**	**20**
Annual	1	31	24	20	18
(Apr.-Mar.)	7	33	26	22	19
	30	38	29	25	22
Winter	1	43	32	27	23
(Nov.-Apr.)	7	50	35	29	25
	30	70	48	39	32

This block provides the magnitude and frequency of low flow for indicated periods separated into two categories, annual and winter. The period of record for annual low-flow data follows the climatic year, April through March, where the numeric year corresponds with January through March. Winter data are collected from November through April. This table lists the annual minimum streamflow for the indicated recurrence interval in years. For low-flow statistics, the recurrence interval is 2, 5, 10, and 20 years.

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1919-2001		**2**	**5**	**10**	**25**
Annual	1	1,070	1,540	1,890	2,360
(Oct.-Sept.)	7	473	641	752	891
	30	278	362	415	479
Winter	1	905	--	1,720	2,250
(Nov.-Apr.)	7	408	578	703	876
	30	259	347	406	481

This block presents the magnitude and frequency of high flow for indicated periods separated into annual and winter. The period of record for high-flow data follows the water year, October through September. Winter data are collected from November through April. This table lists the annual maximum streamflow for the indicated recurrence interval in years. For high-flow statistics, the recurrence interval is 2, 5, 10, and 25 years.

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1919-2001																	
Annual	676	513	338	242	169	149	133	107	87	71	58	52	46	36	29	24	22
Winter	732	574	397	283	205	183	166	140	118	100	83	75	68	51	40	32	28

This block presents the duration of daily flow, which is the output from the flow-duration curve. The flow-duration curve is a cumulative-frequency curve that shows the percentage of time that specified discharges are exceeded. The curve is based on the total period of record (water year), but the chronological sequence of flows is omitted from consideration in the preparation of the curve. Therefore, it is impossible to tell from the flow-duration curve alone whether varying periods of low flow all occurred during one drought period or were scattered over a number of years. The flow-duration curve is, however, useful for studying the flow characteristics of a stream over its entire range of discharge (Gillespie and Schopp, 1982).

NORTH AND SOUTH BRANCH RARITAN BASIN

01396280 South Branch Raritan River at Middle Valley, NJ

The output begins with identifies of the station name and USGS station identification number, a unique identification number that follows the "downstream order" system. The Watershed Management Area (WMA) name from the NJDEP list of 20 WMA in the State also is displayed.

Location:	Latitude 40° 45' 40", Longitude 74° 49' 17", Morris County, Hydrologic Unit 02030105, at bridge in Middle Valley, 6.9 mi downstream from Drakes Brook.
Drainage area:	47.7 mi^2
Station type:	Low-flow partial-record station
Period of record:	1963-1999
Remarks:	Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered good.

The small print is a description of the partial-record station, including the location. The drainage area of the partial-record station is recorded in square miles (mi^2). The station type is continuous-record gaging station, low-flow partial-record station (partial-record station), or gaging station analyzed as partial-record station. A continuous-record station provides streamflow data at regular intervals throughout the day. The data, usually collected at 15-minute intervals, are used to compute daily mean-flow values. Gaging stations with less than 20 years of record are analyzed as partial-record stations and are labeled as such. A partial-record station is a site where discrete measurements are obtained over a period of time without continuous data being recorded or computed (Reed and others, 2003). The database output follows the same format as partial-record stations. The period of record is given in water years (October 1-September 30) if the station is an active partial-record station. Remarks identify stations used for the statistical correlations and the rating given to the subject station for the confidence of the correlations. A rating of good, fair, or poor is assigned to the estimates for each partial-record site. A weighted mean of the individual standard errors of estimate for each correlation is used to rate the estimated statistics. A frequency distribution of all the weighted mean standard errors is used as a guide for rating the estimates for each site. All sites with weighted mean errors less than the 50th percentile are rated good. Sites with weighted mean errors from the 50th to the 75th percentile are rated fair, and sites with errors greater than the 75th percentile are rated poor. Ratings of good, fair, and poor correspond to the standard errors of prediction of less than 45 percent, 45 percent to 143 percent, and greater than 143 percent, respectively.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1999	82	47

This block presents streamflow characteristics. In this report cubic feet per second is written as cfs. This table contains three basic statistics for a partial-record station. The period of record for these statistics is in water years and is the period of record of base-flow measurements for that station from the National Water Information System (NWIS) database. Mean annual flow is the arithmetic mean of the individual daily mean discharges for the designated period. The value for harmonic mean flow is a statistic used as a design flow applied to water-quality criteria for the protection of human health under lifetime exposure to toxic pollutants (Rossman, 1990).

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1999		
Annual	1	12
(Apr.-Mar.)	7	13
	30	15
Winter	1	18
(Nov.-Apr.)	7	20
	30	27

This block provides the magnitude and frequency of low flow for indicated periods separated into two categories, annual and winter. The period of record for low-flow data follows the climatic year, April through March. Winter data are collected from November through April. This table lists the annual minimum streamflow for a 10-year recurrence interval.

Acknowledgement

The authors gratefully acknowledge Steven Tessler of the USGS for his expertise in the development and assembly of this database.

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WALLKILL BASIN

01367620 Wallkill River at outflow of Lake Mohawk at Sparta, NJ

Location: Latitude 41° 01' 59", Longitude 74° 38' 35", Sussex County, Hydrologic Unit 02020007, at bridge on West Shore Trail at Sparta, 200 ft downstream from outflow of Lake Mohawk, and 1.2 mi southwest of Sparta Station.

Drainage area: 4.38 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2001	9.4	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.4
(Nov.-Apr.)	7	0.6
	30	1.1

WALLKILL BASIN

01367700 Wallkill River at Franklin, NJ

Location: Latitude 41° 06' 43", Longitude 74° 35' 20", Sussex County, Hydrologic Unit 02020007, at bridge 120 ft. downstream from dam at outlet of Franklin Pond, 08 mi upstream from Wildcat Brook.

Drainage area: 29.4 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1999	54	17

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1999		
Annual	1	1.7
(Apr.-Mar.)	7	2.1
	30	2.7
Winter	1	3.0
(Nov.-Apr.)	7	4.2
	30	6.9

WALLKILL BASIN

01367750 Beaver Run near Hamburg, NJ

Location: Latitude 41° 10' 52", Longitude 74° 35' 26", Sussex County, Hydrologic Unit 02020007, on State Route 23, 1.0 mi upstream from mouth, and 2.2 mi north of Hamburg.

Drainage area: 5.59 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	8.3	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.7
(Nov.-Apr.)	7	0.9
	30	1.3

WALLKILL BASIN

01367770 Wallkill River near Sussex, NJ

Location: Latitude 41° 11' 38", Longitude 74° 34' 31", Sussex County, Hydrologic Unit 02020007, at bridge on Glenwood Road, 0.6 mi upstream from Papakating Creek, 1.7 mi southwest of Independence Corner, and 2.0 mi southeast of Sussex.

Drainage area: 60.8 mi²

Station type: Low-flow partial-record station

Period of record: 1977-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	96	37

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	5.6
(Apr.-Mar.)	7	6.6
	30	8.3
Winter	1	10
(Nov.-Apr.)	7	13
	30	19

WALLKILL BASIN

01367800 Papakating Creek at Pellettown, NJ

Location: Latitude 41° 09' 45", Longitude 74° 40' 30", Sussex County, Hydrologic Unit 02020007, at bridge on County Route 565 in Pellettown, 3.9 mi northwest of Branchville, and 4.5 mi above West Branch.

Drainage area: 15.8 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	18	6.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.2
Winter	1	1.3
(Nov.-Apr.)	7	1.8
	30	2.8

WALLKILL BASIN

01367850 West Branch Papakating Creek at McCoys Corner, NJ

Location: Latitude 41° 11' 49", Longitude 74° 37' 54", Sussex County, Hydrologic Unit 02020007, 0.1 mi southwest of McCoys Corner, 1.0 mi upstream of mouth, and 4.2 mi northwest of Hamburg.

Drainage area: 11 mi²

Station type: Low-flow partial-record station

Period of record: 1967-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-2002	14	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.7
	30	1.4

WALLKILL BASIN

01367890 Clove Brook above Clove Acres Lake, at Sussex, NJ

Location: Latitude 41° 13' 13", Longitude 74° 36' 53", Sussex County, Hydrologic Unit 02020007, on road to Libertyville, 0.1 mi northwest of fork from State Route 23 at Sussex.

Drainage area: 19.2 mi²

Station type: Low-flow partial-record station

Period of record: 1967-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-2002	22	6.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-2002		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	1.0
Winter	1	1.4
(Nov.-Apr.)	7	1.9
	30	3.4

WALLKILL BASIN

01367900 Clove Brook at Sussex, NJ

Location: Latitude 41° 12' 40", Longitude 74° 36' 41", Sussex County, Hydrologic Unit 02020007, at outlet of Clove Acres Lake in Sussex, and 1.0 mi upstream from mouth.

Drainage area: 19.7 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	25	7.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	0.8
(Apr.-Mar.)	7	1.0
	30	1.4
Winter	1	2.0
(Nov.-Apr.)	7	2.7
	30	4.8

WALLKILL BASIN

01367910 Papakating Creek at Sussex, NJ

Location: Latitude 41° 12' 02", Longitude 74° 35' 58", Sussex County, Hydrologic Unit 02020007, at bridge on State Route 23, 0.7 mi upstream of Clove Brook, and 0.8 mi southeast of Sussex.

Drainage area: 59.4 mi²

Station type: Low-flow partial-record station

Period of record: 1977-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2003	70	20

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2003		
Annual	1	1.5
(Apr.-Mar.)	7	1.9
	30	2.5
Winter	1	2.9
(Nov.-Apr.)	7	4.2
	30	7.3

WALLKILL BASIN

01368000 Wallkill River near Unionville, NY

Location: Latitude 41° 15' 36", Longitude 743° 25' 5", Sussex County, Hydrologic Unit 02020007, at bridge on the Bassetts Bridge Road, 0.6 mi upstream from small tributary, 2.0 mi south of the New York-New Jersey state line, and 3.0 mi south of Unionville.

Drainage area: 140 mi²

Station type: Continuous-record gaging station

Period of record: 1938-1981

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1938-1981	215	4.2	5,240	63

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1939-1981		**2**	**5**	**10**	**20**
Annual	1	18	10	7.7	6.0
(Apr.-Mar.)	7	21	12	8.8	6.7
	30	29	16	12	9.2
Winter	1	44	25	18	14
(Nov.-Apr.)	7	55	31	23	17
	30	91	51	37	28

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1938-1981		**2**	**5**	**10**	**25**
Annual	1	1,620	2,240	2,730	3,460
(Oct.-Sept.)	7	1,140	1,480	1,700	1,980
	30	624	760	836	918
Winter	1	1,450	1,920	2,260	2,730
(Nov.-Apr.)	7	1,040	1,310	1,480	1,680
	30	597	737	818	910

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1938-1981																	
Annual	1,280	1,040	738	530	331	275	230	170	127	93	65	54	43	26	18	13	11
Winter	1,390	1,140	865	662	449	384	333	259	203	162	125	108	93	61	41	28	23

WALLKILL BASIN

01368810 Wawayanda Creek at New Milford, NY

Location: Latitude 41° 14' 18", Longitude 742° 50' 2", Orange County (NY), Hydrologic Unit 02020007, at bridge on Ryerson Road, and 0.2 mi upstream from Double Kill.

Drainage area: 44.9 mi²

Station type: Low-flow partial-record station

Period of record: 1971-1976

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-1976	64	20

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-1976		
Annual	1	2.1
(Apr.-Mar.)	7	2.7
	30	3.6
Winter	1	4.7
(Nov.-Apr.)	7	6.4
	30	11

WALLKILL BASIN

01368820 Double Kill at Wawayanda, NJ

Location: Latitude 41° 11' 13", Longitude 74° 25' 12", Sussex County, Hydrologic Unit 02020007, 1,500 ft east of Wawayanda 0.4 mi downstream of Wawayanda Lake, 3.5 mi east of Vernon, and 4.6 mi upstream of Wawayanda Creek.

Drainage area: 6.46 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01440000, 01443500, and 01445500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	14	2.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.7

WALLKILL BASIN

01368840 Double Kill at New Milford, NY

Location: Latitude 41° 14' 10", Longitude 742° 45' 7", Orange County (NY), Hydrologic Unit 02020007, at bridge on Ryerson Road, and 0.3 mi upstream from mouth.

Drainage area: 15.6 mi²

Station type: Low-flow partial-record station

Period of record: 1971-1976

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-1976	29	6.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-1976		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.4
	30	2.8

WALLKILL BASIN

01368950 Black Creek near Vernon, NJ

Location: Latitude 41° 13' 21", Longitude 74° 28' 32", Sussex County, Hydrologic Unit 02020007, at bridge on Maple Grange Road, 0.6 mi upstream of confluence with Wawayanda Creek, 0.7 mi northwest of Maple Grange, and 1.7 mi northeast of Vernon.

Drainage area: 17.3 mi²

Station type: Low-flow partial-record station

Period of record: 1977-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01440000, and 01443500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	31	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	1.4
(Apr.-Mar.)	7	1.8
	30	2.3
Winter	1	3.0
(Nov.-Apr.)	7	4.0
	30	6.5

WALLKILL BASIN

01369000 Pochuck Creek near Pine Island, NY

Location: Latitude 41° 16' 32", Longitude 742° 81' 7", Orange County (NY), Hydrologic Unit 02020007, on right bank 75 ft downstream from bridge on Newport Bridge Road at Newport, 1.5 mi south of Pine Island, 3.2 mi west of Edenville, and 4.1 mi upstream from mouth.

Drainage area: 98 mi²

Station type: Continuous-record gaging station

Period of record: 1938-1978

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1938-1978	165	1.3	2,700	37

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1939-1978		**2**	**5**	**10**	**20**
Annual	1	10	4.9	3.3	2.4
(Apr.-Mar.)	7	11	5.5	3.7	2.6
	30	16	7.5	5.1	3.7
Winter	1	31	15	9.4	6.4
(Nov.-Apr.)	7	39	19	13	9.0
	30	68	34	23	16

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1938-1978		**2**	**5**	**10**	**25**
Annual	1	1,150	1,640	1,990	2,470
(Oct.-Sept.)	7	853	1,140	1,320	1,530
	30	484	592	650	712
Winter	1	991	1,300	1,510	1,760
(Nov.-Apr.)	7	754	959	1,080	1,220
	30	455	560	620	687

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1938-1978																	
Annual	952	796	545	394	268	222	189	137	100	72	48	38	29	14	8.5	5.6	4.7
Winter	1,000	856	632	490	348	300	266	210	167	132	102	89	77	47	30	16	11

HACKENSACK AND PASCACK BASIN

01376800 Hackensack River at West Nyack, NY

Location: Latitude 41° 05' 44", Longitude 735° 75' 0", Rockland County (NY), Hydrologic Unit 02030103, on right bank 20 ft downstream from Penn Central Transportation Co. railroad bridge at West Nyack, 1,000 ft upstream from State Highway 59, and 1.0 mi downstream from DeForest Lake.

Drainage area: 30.7 mi²

Station type: Continuous-record gaging station

Period of record: 1960-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1960-2001	42	2.2	1,320	21

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1961-2001		**2**	**5**	**10**	**20**
Annual	1	10	6.3	4.6	3.4
(Apr.-Mar.)	7	12	7.6	5.9	4.6
	30	14	9.9	8.2	6.8
Winter	1	12	7.8	5.7	4.2
(Nov.-Apr.)	7	14	9.4	7.3	5.7
	30	18	11	8.8	7.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1960-2001		**2**	**5**	**10**	**25**
Annual	1	438	743	936	1,160
(Oct.-Sept.)	7	215	334	399	467
	30	116	164	189	214
Winter	1	331	596	779	1,010
(Nov.-Apr.)	7	171	281	343	407
	30	103	158	186	213

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1960-2001																	
Annual	306	211	123	86	57	48	42	32	25	20	17	16	15	12	11	7.7	5.8
Winter	337	250	157	105	66	56	49	40	32	23	19	17	15	12	9.8	7.3	5.7

HACKENSACK AND PASCACK BASIN

01377000 Hackensack River at Rivervale, NJ

Location: Latitude 40° 59' 57", Longitude 73° 59' 21", Bergen County, Hydrologic Unit 02030103, on upstream right bank at bridge on Westwood Avenue in Rivervale, 1.5 mi upstream from Pascack Brook, 4.1 mi downstream of Lake Tappan and 4.6 mi upstream from Oradell Dam.

Drainage area: 58 mi²

Station type: Continuous-record gaging station

Period of record: 1942-2001

Remarks: Regulation since 1956 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1942-1956	100	5.8	1,440	41
1957-2001	82	4.4	2,190	45

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1943-1956		**2**	**5**	**10**	**20**
Annual	1	11	7.5	6.4	5.9
(Apr.-Mar.)	7	13	8.6	7.3	6.5
	30	16	11	9.5	8.4
Winter	1	23	16	14	13
(Nov.-Apr.)	7	27	19	16	14
	30	49	30	23	19
1958-2001		**2**	**5**	**10**	**20**
Annual	1	17	7.5	9.2	7.5
(Apr.-Mar.)	7	19	13	10	8.4
	30	26	18	15	12
Winter	1	22	15	11	9.0
(Nov.-Apr.)	7	25	17	13	11
	30	33	18	18	12

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1942-1956		**2**	**5**	**10**	**25**
Annual	1	712	1,020	1,220	1,490
(Oct.-Sept.)	7	486	702	857	1,070
	30	262	345	399	466
Winter	1	538	786	973	1,240
(Nov.-Apr.)	7	385	543	663	834
	30	241	314	357	404
1957-2001		**2**	**5**	**10**	**25**
Annual	1	684	1,020	1,460	1,880
(Oct.-Sept.)	7	351	535	655	804
	30	189	272	330	404
Winter	1	522	908	1,190	1,570
(Nov.-Apr.)	7	281	535	567	713
	30	172	272	315	380

HACKENSACK AND PASCACK BASIN

01377000 Hackensack River at Rivervale, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1942-1956																	
Annual	560	460	307	224	154	132	114	87	67	50	38	32	27	17	13	9.7	8.0
Winter	560	483	324	247	181	160	144	121	100	81	64	57	50	36	26	19	17
1957-2001																	
Annual	506	358	224	160	112	101	90	73	58	48	39	35	31	23	18	14	11
Winter	544	404	259	178	118	104	93	75	60	48	39	36	32	23	19	14	12

HACKENSACK AND PASCACK BASIN

01377300 Pascack Brook at Pearl River, NY

Location: Latitude 41° 03' 35", Longitude 740° 21' 0", Rockland County (NY), Hydrologic Unit 02030103, on left bank 150 ft upstream from Washington Avenue bridge, a quarter mile upstream from New York-New Jersey State Line.

Drainage area: 9.83 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: This site has a continuous data record for the period 1959-1963. Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	16	7.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	1.4
(Apr.-Mar.)	7	1.8
	30	2.2
Winter	1	3.2
(Nov.-Apr.)	7	3.8
	30	5.6

HACKENSACK AND PASCACK BASIN

01377475 Musquapsink Brook near Westwood, NJ

Location: Latitude 40° 59' 41", Longitude 74° 03' 41", Bergen County, Hydrologic Unit 02030103, on Pascack Road in Washington Borough, 0.2 mi south of Washington Avenue, 1.5 mi west of Westwood and 5.3 mi above mouth.

Drainage area: 2.12 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1975

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01386000, 01387450, 01390500, and 01391000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1975	3.5	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1975		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	0.9
(Nov.-Apr.)	7	1.0
	30	1.5

HACKENSACK AND PASCACK BASIN

01377500 Pascack Brook at Westwood, NJ

Location: Latitude 40° 59' 34", Longitude 74° 01' 16", Bergen County, Hydrologic Unit 02030103, on right bank 75 ft upstrean from Harrington Avenue in Westwood, 500 ft downstream from Musquapsink Brook, and 2.3 mi upstream from mouth.

Drainage area: 29.6 mi²

Station type: Continuous-record gaging station

Period of record: 1935-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-2001	54	0.4	1,770	33

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-2001		**2**	**5**	**10**	**20**
Annual	1	14	8.5	7.3	4.5
(Apr.-Mar.)	7	15	11	9.1	7.8
	30	21	15	12	10
Winter	1	20	14	12	6.5
(Nov.-Apr.)	7	23	16	12	10
	30	30	21	16	13

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-2001		**2**	**5**	**10**	**25**
Annual	1	526	792	984	1,240
(Oct.-Sept.)	7	208	307	381	482
	30	114	156	183	216
Winter	1	397	603	749	945
(Nov.-Apr.)	7	166	239	292	363
	30	101	138	162	191

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-2001																	
Annual	309	229	140	99	67	61	56	46	40	34	30	28	25	19	15	11	9.3
Winter	337	251	157	109	78	69	62	53	46	40	35	32	30	23	19	14	11

HACKENSACK AND PASCACK BASIN

01378350 Tenakill Brook at Cresskill, NJ

Location: Latitude 40° 56' 30", Longitude 73° 57' 50", Bergen County, Hydrologic Unit 02030103, at bridge on Madison Avenue in Cresskill, 0.15 mi west of Erie Lackawanna R.R. station, 0.65 mi east of Knickerbocker Road and Madis Avenue, and 3.3 mi upstream from Oradell Reservoir.

Drainage area: 3.01 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01386000, 01387450, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1999	3.5	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1999		
Annual	1	1.3
(Apr.-Mar.)	7	1.5
	30	1.7
Winter	1	1.9
(Nov.-Apr.)	7	2.0
	30	2.4

HACKENSACK AND PASCACK BASIN

01378385 Tenakill Brook at Closter, NJ

Location: Latitude 40° 58' 29", Longitude 73° 58' 04", Bergen County, Hydrologic Unit 02030103, at bridge on High Street in Closter, 0.7 mi upstream from mouth, and 2.7 mi downstream from former crest-stage gage on Madison Avenue in Cresskill.

Drainage area: 8.56 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2000	13	7.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2000		
Annual	1	2.0
(Apr.-Mar.)	7	2.5
	30	3.1
Winter	1	4.0
(Nov.-Apr.)	7	4.6
	30	6.3

HACKENSACK AND PASCACK BASIN

01378410 Dwars Kill at Norwood, NJ

Location: Latitude 40° 59' 00", Longitude 73° 57' 29", Bergen County, Hydrologic Unit 02030103, at Blanche Avenue at Norwood, 1.0 mi east of Harrington Park, 1.5 mi upstream from Oradell reservoir.

Drainage area: 3.23 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, 01387500, 01388500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1999	4.4	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1999		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.0

HACKENSACK AND PASCACK BASIN

01378430 Norwood Brook at Norwood, NJ

Location: Latitude 40° 59' 06", Longitude 73° 57' 37", Bergen County, Hydrologic Unit 02030103, at bridge on Blanche Avenue at Norwood, 1.0 mi east of Harrington Park, and 1.5 mi upstream from Oradell Reservoir.

Drainage area: 2.03 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	1.5	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.5
	30	0.7

HACKENSACK AND PASCACK BASIN

01378500 Hackensack River at New Milford, NJ

Location: Latitude 40° 56' 54", Longitude 74° 01' 36", Bergen County, Hydrologic Unit 02030103, on right bank upstream of two masonry dams/lift gates at former United Water New Jersey pumping plant in New Milford, 300 ft upstream of the Elm Street bridge, 0.6 mi downstream from Oradell Reservoir Dam, and 4.0 mi downstream of mouth of Pascack Brook.

Drainage area: 113 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	92	0.0	5,580	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0
Winter	1	0.0	0.0	0.0	0.0
(Nov.-Apr.)	7	0.4	0.0	0.0	0.0
	30	11	0.1	0.0	0.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	1,500	2,310	3,000	4,000
(Oct.-Sept.)	7	708	892	1,320	1,550
	30	347	500	589	676
Winter	1	1,200	1,800	2,100	3,000
(Nov.-Apr.)	7	600	892	1,000	1,400
	30	350	425	520	800

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	976	709	437	272	133	95	65	26	16	3.6	0.9	0.8	0.6	0.3	0.2	0.1	0.0
Winter	1,060	848	533	358	206	162	129	78	41	20	11	2.6	0.8	0.0	0.0	0.0	0.0

HACKENSACK AND PASCACK BASIN

01378520 Hirshfeld Brook at New Milford, NJ

Location: Latitude 40° 56' 49", Longitude 74° 00' 59", Bergen County, Hydrologic Unit 02030103, at bridge on The Boulevard in New Milford, 0.45 mi upstream from mouth and 0.7 mi west of Dumont.

Drainage area: 4.54 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1972	3.1	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1972		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.6

HACKENSACK AND PASCACK BASIN

01378530 French Brook at New Bridge, NJ

Location: Latitude 40° 55' 00", Longitude 74° 01' 24", Bergen County, Hydrologic Unit 02030103, at bridge on New Bridge Road in New Bridge, 0.5 mi upstream from mouth, and 1.6 mi north of Teaneck.

Drainage area: 0.46 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1972	0.9	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

HACKENSACK AND PASCACK BASIN

01378560 Coles Brook at Hackensack, NJ

Location: Latitude 40° 54' 40", Longitude 74° 02' 25", Bergen County, Hydrologic Unit 02030103, at bridge on Main Street in Hackensack, 0.8 mi upstream from mouth and 1.9 mi northwest of Teaneck.

Drainage area: 7 mi²

Station type: Low-flow partial-record station

Period of record: 1965-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2003	4.6	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2003		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.1
(Nov.-Apr.)	7	1.3
	30	1.9

HACKENSACK AND PASCACK BASIN

01378590 Metzler Brook at Englewood, NJ

Location: Latitude 40° 54' 29", Longitude 73° 59' 11", Bergen County, Hydrologic Unit 02030103, on Lantana Avenue in Englewood, 1.1 mi northeast of City Hall and intersection of County Highway 505 and Van Brunt Street, 1.6 mi abo mouth.

Drainage area: 1.54 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1994

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387450, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1994	1.5	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1994		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.5

HACKENSACK AND PASCACK BASIN

01378615 Wolf Creek at Ridgefield, NJ

Location: Latitude 40° 49' 45", Longitude 74° 00' 13", Bergen County, Hydrologic Unit 02030103, on Clark Avenue in Ridgefield, 0.9 mi above mouth and 1.3 mi southeast of New Jersey Turnpike Interchange 18, 2.7 mi southwest of western toll plaza of George Washington Bridge.

Drainage area: 1.18 mi^2

Station type: Low-flow partial-record station

Period of record: 1964-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01390500, and 01391500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1982	1.6	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1982		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.5

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378690 Passaic River near Bernardsville, NJ

Location: Latitude 40° 44' 03", Longitude 74° 32' 25", Somerset County, Hydrologic Unit 02030103, at bridge on U.S. Route 202, 1.8 mi northeast of Bernardsville, and 3.0 mi upstream of Great Brook.

Drainage area: 8.83 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1964-1997

Remarks: This site has a continuous data record for the period 1968-1977.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1997	15	6.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1997		
Annual	1	1.1
(Apr.-Mar.)	7	1.4
	30	1.9
Winter	1	2.0
(Nov.-Apr.)	7	2.6
	30	3.8

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378700 Passaic River at outlet of Osborn Pond, NJ

Location: Latitude 40° 43' 09", Longitude 74° 31' 51", Somerset County, Hydrologic Unit 02030103, about 800 ft. downstream from dam on Osborn Pond, 0.9 mi above Penns Brook, and 1.3 mi northeast of Basking Ridge.

Drainage area: 10.1 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, 01381500, 01396500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1988	15	7.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1988		
Annual	1	1.8
(Apr.-Mar.)	7	2.1
	30	2.6
Winter	1	3.0
(Nov.-Apr.)	7	3.5
	30	4.9

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378750 Great Brook at Green Village, NJ

Location: Latitude 40° 44' 22", Longitude 74° 27' 31", Morris County, Hydrologic Unit 02030103, at bridge on Green Village Road in Green Village, 1.2 mi upstream from Loantaka Brook, and 2.5 mi southwest of Madison.

Drainage area: 7.92 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	13	4.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.9
Winter	1	1.3
(Nov.-Apr.)	7	1.4
	30	2.5

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378800 Primrose Brook near New Vernon, NJ

Location: Latitude 40° 43' 42", Longitude 74° 30' 57", Morris County, Hydrologic Unit 02030103, at bridge on Lees Hill Road 0.9 mi upstream from Great Brook, 1.5 mi southwest of New Vernon, and 2.3 mi northeast of Basking Ridge.

Drainage area: 4.68 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	8.9	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.2
(Nov.-Apr.)	7	1.4
	30	2.2

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378850 Great Brook near Basking Ridge, NJ

Location: Latitude 40° 42' 49", Longitude 74° 30' 58", Somerset County, Hydrologic Unit 02030103, at bridge on Pleasant Plains Road, 0.6 mi upstream from mouth, 1.8 mi east of Basking Ridge, and 2.7 mi north of Millington.

Drainage area: 23.1 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1965

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1965	51	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1965		
Annual	1	0.8
(Apr.-Mar.)	7	1.1
	30	1.8
Winter	1	2.7
(Nov.-Apr.)	7	3.2
	30	6.4

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01378900 Black Brook near Meyersville, NJ

Location: Latitude 40° 41' 44", Longitude 74° 29' 46", Morris County, Hydrologic Unit 02030103, at bridge on Pleasant Plains Road, 1.2 mi above mouth, 1.4 mi northwest of Meyersville and 1.5 mi north of Stirling.

Drainage area: 11.7 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, and 01398500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	47	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.5

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379000 Passaic River near Millington, NJ

Location: Latitude 40° 40' 48", Longitude 74° 31' 44", Somerset County, Hydrologic Unit 02030103, on right bank 200 ft downstream from Davis Bridge on Maple Avenue, 0.7 mi northwest of Millington, and 1.8 mi downstream from Bla Brook.

Drainage area: 55.4 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Remarks: Regulation since 1979 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-1979	91	0.3	1,800	17
1980-2001	94	0.6	2,230	27

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-1979		**2**	**5**	**10**	**20**
Annual	1	4.3	4.3	1.2	0.8
(Apr.-Mar.)	7	5.5	2.5	1.6	1.0
	30	8.8	4.1	2.6	1.7
Winter	1	14	14	4.5	3.0
(Nov.-Apr.)	7	17	8.6	5.8	4.2
	30	33	18	13	9.4
1981-2001		**2**	**5**	**10**	**20**
Annual	1	7.0	7.0	1.7	1.0
(Apr.-Mar.)	7	8.8	4.2	2.6	1.6
	30	13	6.8	4.4	2.9
Winter	1	18	18	7.5	5.6
(Nov.-Apr.)	7	21	12	8.4	6.0
	30	39	22	15	11

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-1979		**2**	**5**	**10**	**25**
Annual	1	739	739	1,200	1,440
(Oct.-Sept.)	7	500	678	797	949
	30	259	337	387	450
Winter	1	656	656	1,070	1,300
(Nov.-Apr.)	7	444	590	690	818
	30	244	316	363	421
1980-2001		**2**	**5**	**10**	**25**
Annual	1	807	807	1,440	1,750
(Oct.-Sept.)	7	532	759	894	1,050
	30	251	358	431	526
Winter	1	650	650	1,090	1,270
(Nov.-Apr.)	7	440	627	740	870
	30	231	337	416	524

01379000 Passaic River near Millington, NJ--Continued

Period of record	Duration of daily flow: Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-1979																	
Annual	634	502	335	232	141	113	93	65	47	33	22	18	15	8.0	4.8	2.4	1.7
Winter	666	546	398	286	190	163	140	105	80	62	47	40	33	19	13	7.8	6.0
1980-2001																	
Annual	696	531	337	217	133	109	94	70	52	39	28	24	20	13	8.4	5.4	3.8
Winter	709	602	417	284	174	150	132	105	85	69	54	48	41	25	18	11	7.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379150 Harrisons Brook at Liberty Corner, NJ

Location: Latitude 40° 40' 27", Longitude 74° 34' 13", Somerset County, Hydrologic Unit 02030103, at bridge on Lyons Road, 0.8 mi northeast of Liberty Corner, and 1.6 mi upstream from mouth.

Drainage area: 3.74 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384500, 01396500, 01399500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1984	4.9	1.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1984		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379200 Dead River near Millington, NJ

Location: Latitude 40° 38' 56", Longitude 74° 31' 25", Somerset County, Hydrologic Unit 02030103, at bridge on King George Road (Spur County Route 527), 100 feet upstream from mouth, 2.0 mi south of Millington, and 4.2 mi south of Basking Ridge.

Drainage area: 20.8 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, 01381500, 01384500, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2001	25	8.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2001		
Annual	1	1.0
(Apr.-Mar.)	7	1.3
	30	1.9
Winter	1	2.5
(Nov.-Apr.)	7	3.0
	30	5.1

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379300 Passaic River at Stirling, NJ

Location: Latitude 40° 39' 57", Longitude 74° 28' 56", Morris County, Hydrologic Unit 02030103, at bridge on Plainfield Road 0.2 mi south of Passaic Valley Road, 0.8 mi southeast of center of Stirling and 4.1 mi below Dead River.

Drainage area: 84.1 mi²

Station type: Low-flow partial-record station

Period of record: 1968-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, 01381500, 01384500, 01396500, 01399500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1984	113	34

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1984		
Annual	1	2.9
(Apr.-Mar.)	7	3.6
	30	5.4
Winter	1	8.0
(Nov.-Apr.)	7	9.6
	30	18

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379500 Passaic River near Chatham, NJ

Location: Latitude 40° 43' 34", Longitude 74° 23' 23", Morris County, Hydrologic Unit 02030103, on left bank 150 ft downstream from bridge on Stanley Avenue in Chatham, and 3.0 mi upstream from Canoe Brook.

Drainage area: 100 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-2001	172	2.0	2,990	44

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-2001		**2**	**5**	**10**	**20**
Annual	1	11	5.8	4.0	2.8
(Apr.-Mar.)	7	13	6.8	4.7	3.4
	30	19	10	7.5	5.6
Winter	1	26	14	10	7.4
(Nov.-Apr.)	7	32	17	12	8.7
	30	64	35	25	18

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-2001		**2**	**5**	**10**	**25**
Annual	1	1,180	1,610	1,900	2,290
(Oct.-Sept.)	7	958	1,290	1,480	1,690
	30	494	635	713	798
Winter	1	1,000	1,370	1,650	2,040
(Nov.-Apr.)	7	815	1,100	1,280	1,500
	30	456	594	676	770

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-2001																	
Annual	1,120	921	665	464	267	210	172	118	85	61	43	36	29	18	12	7.0	5.3
Winter	1,140	990	754	565	376	312	265	196	150	116	87	75	63	40	26	16	12

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379525 Canoe Brook near Millburn, NJ

Location: Latitude 40° 44' 55", Longitude 74° 20' 13", Essex County, Hydrologic Unit 02030103, at bridge on Parsonage Hill Road, 0.2 mi downstream from Taylor Lake, 1.0 mi upstream from New Jersey-American Water Company pumping station, and 1.4 mi northwest of Millburn.

Drainage area: 10.17 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, and 01399500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2001	5.7	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2001		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.6

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379570 Passaic River at Hanover, NJ

Location: Latitude 40° 48' 02", Longitude 74° 21' 33", Morris County, Hydrologic Unit 02030103, at bridge on State Route 10, 0.6 mi southeast of Hanover, 3.5 mi southeast of Whippany and 4.8 mi above Rockaway River.

Drainage area: 128 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000 and 01379500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1988	206	62

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1988		
Annual	1	7.2
(Apr.-Mar.)	7	8.8
	30	13
Winter	1	18
(Nov.-Apr.)	7	21
	30	38

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379630 Russia Brook tributary at Milton, NJ

Location: Latitude 41° 01' 04", Longitude 74° 32' 29", Morris County, Hydrologic Unit 02030103, on left bank 500 ft upstream from confluence with Russia Brook, 0.2 mi southwest of Milton, and 1.4 mi upstream from Lake Swannanoa.

Drainage area: 1.64 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1968-1971

Remarks: This site has a continuous data record for the period 1969-1972.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1971	3.5	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1971		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.8

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379700 Rockaway River at Berkshire Valley, NJ

Location: Latitude 40° 55' 51", Longitude 74° 35' 41", Morris County, Hydrologic Unit 02030103, on left bank, 60 ft downstream from bridge on Berkshire Valley Road in Berkshire Valley, 2.7 mi upstream from Stephens Brook and 3 mi northwest of Dover.

Drainage area: 24.4 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1960-1998

Remarks: This site has a continuous data record for the period 1985-1996.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-1998	58	25

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-1998		
Annual	1	3.2
(Apr.-Mar.)	7	3.7
	30	5.0
Winter	1	8.1
(Nov.-Apr.)	7	10
	30	16

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379750 Rockaway River at Dover, NJ

Location: Latitude 40° 54' 12", Longitude 74° 34' 35", Morris County, Hydrologic Unit 02030103, 500 ft downstream from Main Street, at Carpenter Plant, 0.5 mi upstream from Green Pond Brook, and 1.4 mi northwest of Dover.

Drainage area: 30.8 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1997	78	32

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1997		
Annual	1	3.3
(Apr.-Mar.)	7	3.8
	30	5.4
Winter	1	9.2
(Nov.-Apr.)	7	12
	30	19

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379773 Green Pond Brook at Picatinny Arsenal, NJ

Location: Latitude 40° 57' 34", Longitude 74° 32' 23", Morris County, Hydrologic Unit 02030103, on left bank at Picatinny Arsenal, 500 ft upstream from Picatinny Lake, and 0.55 mi downstream from Burnt Meadow Brook.

Drainage area: 7.65 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-2003

Remarks: This site has a continuous data record for the period 1983-2001.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2003	13	5.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2003		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.3
(Nov.-Apr.)	7	1.6
	30	2.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379780 Green Pond Brook below Picatinny Lk at Picatinny Arsenal, NJ

Location: Latitude 40° 56' 56", Longitude 74° 33' 28", Morris County, Hydrologic Unit 02030103, on left bank 100 ft upstream from bridge on Whitmore Avenue at Picatinny Arsenal, and 200 ft downstream from dam on Picatinny Lake.

Drainage area: 9.16 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1964-2003

Remarks: This site has a continuous data record for the period 1985-2001.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2003	15	4.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2003		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.7
(Nov.-Apr.)	7	0.9
	30	1.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01379790 Green Pond Brook at Wharton, NJ

Location: Latitude 40° 55' 04", Longitude 74° 35' 01", Morris County, Hydrologic Unit 02030103, on left bank 600 ft upstream from bridge on northbound lane of State Route 15, 0.2 mi northwest of Wharton, and 1.7 mi upstream from mouth.

Drainage area: 12.6 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1982-2002

Remarks: This site has a continuous data record for the period 1984-2001.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-2002	22	9.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-2002		
Annual	1	1.2
(Apr.-Mar.)	7	1.4
	30	1.9
Winter	1	2.6
(Nov.-Apr.)	7	3.0
	30	4.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01380000 Beaver Brook at outlet of Splitrock Res, NJ

Location: Latitude 40° 57' 38", Longitude 74° 27' 42", Morris County, Hydrologic Unit 02030103, on left bank 50 ft downstream from Splitrock Dam, 2.0 mi northeast of Hibernia, and 3.5 mi upstream from Hibernia Rock.

Drainage area: 5.5 mi²

Station type: Continuous-record gaging station

Period of record: 1926-1989

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1926-1989	10	0.0	165	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1927-1989		**2**	**5**	**10**	**20**
Annual	1	0.4	0.0	0.0	0.0
(Apr.-Mar.)	7	0.7	0.0	0.0	0.0
	30	1.3	0.2	0.0	0.0
Winter	1	1.6	0.2	0.0	0.0
(Nov.-Apr.)	7	1.6	0.3	0.0	0.0
	30	2.9	1.3	0.3	0.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1926-1989		**2**	**5**	**10**	**25**
Annual	1	68	100	122	150
(Oct.-Sept.)	7	47	63	73	86
	30	27	36	42	50
Winter	1	61	96	119	149
(Nov.-Apr.)	7	44	62	73	84
	30	25	35	41	49

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1926-1989																	
Annual	62	48	36	26	17	14	12	8.6	6.2	3.8	2.1	1.7	1.6	0.9	0.4	0.2	0.1
Winter	64	53	41	31	22	19	16	12	9.7	7.6	5.8	4.6	3.3	1.5	0.8	0.2	0.0

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01380050 Hibernia Brook at outlet of Lake Telemark, NJ

Location: Latitude 40° 57' 32", Longitude 74° 30' 05", Morris County, Hydrologic Unit 02030103, at bridge at outlet of Lake Telemark, 1.0 mi north of Hibernia, and 3.2 mi upstream from mouth.

Drainage area: 2.53 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1972	5.7	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.4

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01380100 Beaver Brook at Rockaway, NJ

Location: Latitude 40° 54' 08", Longitude 74° 30' 05", Morris County, Hydrologic Unit 02030103, at bridge on Gill Avenue, and 0.2 mi upstream from mouth, and 0.7 mi east of Rockaway.

Drainage area: 22.2 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384500, 01387500, 01390500, and 01396500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2003	45	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	1.9
Winter	1	3.0
(Nov.-Apr.)	7	3.9
	30	7.2

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01380300 Stony Brook near Rockaway Valley, NJ

Location: Latitude 40° 56' 25", Longitude 74° 25' 38", Morris County, Hydrologic Unit 02030103, at bridge on Rockaway Valley Road, 0.2 mi downstream of unnamed tributary and 1.7 mi west of Taylortown.

Drainage area: 8.43 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	15	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.8
	30	1.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01380500 Rockaway River above Reservoir at Boonton, NJ

Location: Latitude 40° 54' 10", Longitude 74° 24' 35", Morris County, Hydrologic Unit 02030103, on right bank, under New Jersey Transit railroad bridge, just downstream from bridge on Morris Avenue in Boonton, 1.8 mi upstream from da at Boonton Reservoir.

Drainage area: 116 mi²

Station type: Continuous-record gaging station

Period of record: 1938-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1938-2001	230	5.7	4,220	96

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1939-2001		**2**	**5**	**10**	**20**
Annual	1	28	17	13	10
(Apr.-Mar.)	7	32	20	15	12
	30	43	27	20	16
Winter	1	61	40	32	27
(Nov.-Apr.)	7	78	52	41	34
	30	125	84	67	56

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1938-2001		**2**	**5**	**10**	**25**
Annual	1	1,670	2,350	2,790	3,340
(Oct.-Sept.)	7	990	1,310	1,490	1,700
	30	571	734	824	920
Winter	1	1,360	2,000	2,460	3,090
(Nov.-Apr.)	7	856	1,170	1,370	1,600
	30	530	695	795	911

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1938-2001																	
Annual	1,230	965	690	506	348	296	262	202	155	120	91	78	65	43	31	22	17
Winter	1,290	1,040	777	593	433	383	342	282	233	193	157	140	124	90	68	50	41

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381000 Rockaway River below Reservoir at Boonton, NJ

Location: Latitude 40° 53' 49", Longitude 74° 23' 41", Morris County, Hydrologic Unit 02030103, on right bank 2,000 ft downstream from Boonton Reservoir Dam at Boonton, and 0.4 mi upstream at bridge on Greenback Road.

Drainage area: 119 mi²

Station type: Continuous-record gaging station

Period of record: 1914-2001

Remarks: Sewage effluent enters the river about 600 ft below the station.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1914-2001	135	0.0	3,850	3.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1915-2001		**2**	**5**	**10**	**20**
Annual	1	0.6	0.2	0.0	0.0
(Apr.-Mar.)	7	0.9	0.2	0.1	0.0
	30	2.2	0.3	0.2	0.0
Winter	1	2.0	1.3	0.0	0.0
(Nov.-Apr.)	7	7.2	0.3	0.2	0.0
	30	13	1.5	0.4	0.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1914-2001		**2**	**5**	**10**	**25**
Annual	1	1,440	2,190	2,610	3,030
(Oct.-Sept.)	7	876	1,250	1,420	1,590
	30	482	662	738	802
Winter	1	1,150	1,870	2,270	2,760
(Nov.-Apr.)	7	723	1,100	1,320	1,550
	30	442	1,100	719	795

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1914-2001																	
Annual	1,070	794	537	374	236	189	150	91	41	14	8.9	3.3	1.2	0.6	0.3	0.1	0.1
Winter	1,220	926	645	471	322	273	238	176	127	83	37	14	9.0	0.8	0.4	0.1	0.0

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381150 Crooked Brook near Boonton, NJ

Location: Latitude 40° 53' 25", Longitude 74° 22' 26", Morris County, Hydrologic Unit 02030103, at bridge on Horseneck Road, 0.1 mi upstream from mouth, and 1.9 mi southeast of Boonton.

Drainage area: 7.86 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384500, 01390500, 01396500, 01398000, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	13	7.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	1.9
(Apr.-Mar.)	7	2.2
	30	2.7
Winter	1	3.4
(Nov.-Apr.)	7	3.8
	30	5.1

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381200 Rockaway River at Pine Brook, NJ

Location: Latitude 40° 51' 29", Longitude 74° 20' 52", Morris County, Hydrologic Unit 02030103, at bridge on U.S. Route 46 at intersection with New Road in Pine Brook, and 1.1 mi upstream of mouth.

Drainage area: 136 mi²

Station type: Low-flow partial-record station

Period of record: 1972-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, 01381900, 01384500, 01396500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1972-2002	40	32

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1972-2002		
Annual	1	19
(Apr.-Mar.)	7	20
	30	22
Winter	1	23
(Nov.-Apr.)	7	24
	30	27

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381400 Whippany River near Morristown, NJ

Location: Latitude 40° 48' 44", Longitude 74° 30' 43", Morris County, Hydrologic Unit 02030103, at bridge on Sussex Avenue 1.9 mi northwest of Morristown, 2.7 mi upstream from Lake Pockahantas Dam and 4.8 mi upstream from gaging station on Whippany River at Morristown.

Drainage area: 14 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1964-2002

Remarks: This site has a continuous data record for the period 1995-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	24	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	1.7
(Apr.-Mar.)	7	2.2
	30	2.9
Winter	1	2.8
(Nov.-Apr.)	7	3.4
	30	5.2

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381470 Jaquis Brook at Greystone Park State Hospital, NJ

Location: Latitude 40° 50' 12", Longitude 74° 30' 07", Morris County, Hydrologic Unit 02030103, 0.5 mi above Graniss Avenue at Greystone Park State Hospital, and 0.8 mi above mouth.

Drainage area: 1.39 mi²

Station type: Low-flow partial-record station

Period of record: 1967-1973

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, and 01396500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-1973	3.5	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-1973		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.6
(Nov.-Apr.)	7	0.7
	30	1.0

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381490 Watnong Brook at Morris Plains, NJ

Location: Latitude 40° 48' 50", Longitude 74° 29' 37", Morris County, Hydrologic Unit 02030103, at bridge on Lake Road, 0.1 mi upstream from mouth and 0.8 mi south of Morris Plains.

Drainage area: 7.77 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01396500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	14	8.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	2.6
(Apr.-Mar.)	7	2.8
	30	3.3
Winter	1	4.0
(Nov.-Apr.)	7	4.5
	30	5.9

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381500 Whippany River at Morristown, NJ

Location: Latitude 40° 48' 26", Longitude 74° 27' 25", Morris County, Hydrologic Unit 02030103, on left bank at Morristown sewage-treatment plant, 0.8 mi northeast of Morristown, and 9.0 mi upstream from mouth.

Drainage area: 29.4 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	54	4.2	1,510	30

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	13	8.9	7.3	6.1
(Apr.-Mar.)	7	14	10	8.8	7.5
	30	17	13	11	9.5
Winter	1	18	13	10	8.9
(Nov.-Apr.)	7	21	15	12	11
	30	30	21	17	14

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	537	792	972	1,210
(Oct.-Sept.)	7	217	305	364	440
	30	121	165	193	229
Winter	1	431	632	780	983
(Nov.-Apr.)	7	179	253	308	382
	30	110	151	178	214

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	326	242	156	108	73	63	57	46	37	31	25	23	20	16	13	10	8.7
Winter	352	262	180	126	87	77	69	58	49	42	34	31	28	21	17	14	12

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381550 Malapardis Brook at Whippany, NJ

Location: Latitude 40° 49' 22", Longitude 74° 25' 07", Morris County, Hydrologic Unit 02030103, at bridge on Parsippany Road at Whippany, 400 ft upstream from mouth, and 2.2 mi south of Parsippany.

Drainage area: 5.07 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379773, 01380500, 01384500, 01396500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2001	5.0	2.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2001		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.7

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381600 Whippany River near Whippany, NJ

Location: Latitude 40° 48' 46", Longitude 74° 23' 37", Morris County, Hydrologic Unit 02030103, at bridge on State Route 10, 0.2 mi downstream of Black Brook, and 1.5 mi southeast of Whippany.

Drainage area: 48.5 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01381500, and 01396500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2001	66	41

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2001		
Annual	1	15
(Apr.-Mar.)	7	16
	30	19
Winter	1	20
(Nov.-Apr.)	7	22
	30	27

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381700 Troy Brook at Troy Hills, NJ

Location: Latitude 40° 51' 15", Longitude 74° 23' 26", Morris County, Hydrologic Unit 02030103, at bridge on Beverwyck Road in Troy Hills, 1.0 mi upstream from West Brook, 2.4 mi east of Parsippany, and 2.5 mi northeast of Whippany

Drainage area: 10.1 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1973

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01384500, 01390500, 01396500, 01398000, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1973	13	8.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1973		
Annual	1	3.0
(Apr.-Mar.)	7	3.4
	30	4.0
Winter	1	4.5
(Nov.-Apr.)	7	4.9
	30	6.2

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381750 West Brook at Troy Hills, NJ

Location: Latitude 40° 50' 36", Longitude 74° 23' 36", Morris County, Hydrologic Unit 02030103, at bridge on Beverwyck Road, 0.7 mi south of Troy Hills, 0.8 mi upstream from mouth, and 1.8 mi northeast of Whippany.

Drainage area: 1.32 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	1.5	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.6
(Nov.-Apr.)	7	0.6
	30	0.8

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381800 Whippany River near Pine Brook, NJ

Location: Latitude 40° 50' 42", Longitude 74° 20' 50", Morris County, Hydrologic Unit 02030103, at bridge on Edwards Road, 0.3 mi upstream from mouth, and 1.3 mi southwest of Pine Brook.

Drainage area: 68.5 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-2002

Remarks: This site has a continuous data record for the period 1992-1996.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	88	49

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	18
(Apr.-Mar.)	7	20
	30	23
Winter	1	25
(Nov.-Apr.)	7	28
	30	35

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01381900 Passaic River at Pine Brook, NJ

Location: Latitude 40° 51' 45", Longitude 74° 19' 17", Morris County, Hydrologic Unit 02030103, at bridge on U.S. Route 46, 0.5 mi east of Pine Brook, and 1.3 mi downstream from Rockaway River.

Drainage area: 349 mi²

Station type: Low-flow partial-record station

Period of record: 1980-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, 01380500, 01381500, 01384500, 01389500, 01396500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1980-2002	422	199

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1980-2002		
Annual	1	43
(Apr.-Mar.)	7	51
	30	65
Winter	1	78
(Nov.-Apr.)	7	90
	30	131

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01382000 Passaic River at Two Bridges, NJ

Location: Latitude 40° 53' 50", Longitude 74° 16' 22", Passaic County, Hydrologic Unit 02030103, at bridge on Two Bridges Road, just upstream from confluence with Pompton River, 0.3 mi northeast of Two Bridges, and 2.6 mi northwest of Little Falls.

Drainage area: 361 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01379500, 01380500, and 01389500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	485	212

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	43
(Apr.-Mar.)	7	52
	30	70
Winter	1	85
(Nov.-Apr.)	7	101
	30	152

POMPTON, WANAQUE, AND RAMAPO BASIN

01382050 Pequannock River near Stockholm, NJ

Location: Latitude 41° 06' 55", Longitude 74° 30' 49", Sussex County, Hydrologic Unit 02030103, at bridge on County Route 515, 1.6 mi above Pacock Brook, and 1.8 mi north of Stockholm.

Drainage area: 5.39 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01387450. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	7.2	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.4

POMPTON, WANAQUE, AND RAMAPO BASIN

01382360 Kanouse Brook at Newfoundland, NJ

Location: Latitude 41° 02' 50", Longitude 74° 25' 47", Passaic County, Hydrologic Unit 02030103, at culvert on Kanouse Road 0.3 mi east of Newfoundland, and 0.6 mi upstream from mouth.

Drainage area: 3.87 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01387450. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	7.2	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.5
	30	1.1

POMPTON, WANAQUE, AND RAMAPO BASIN

01382450 Macopin River at Macopin Reservoir, NJ

Location: Latitude 41° 01' 33", Longitude 74° 24' 30", Passaic County, Hydrologic Unit 02030103, at bridge on northbound lane of State Route 234.0 miles northwest of its intersection with County Route 511 at west edge of Butler.

Drainage area: 5.25 mi²

Station type: Low-flow partial-record station

Period of record: 1970-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01388500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1970-2000	7.4	1.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1970-2000		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.9

POMPTON, WANAQUE, AND RAMAPO BASIN

01382500 Pequannock River at Macopin Intake Dam, NJ

Location: Latitude 41° 01' 05", Longitude 74° 24' 06", Passaic County, Hydrologic Unit 02030103, on left bank 15 ft downstream from culvert at crossover between northbound and southbound lanes on State Route 23, 1,000 ft downstream from Macopin Intake Dam, 0.6 mi downstream from Macopin River, and 2.8 mi northwest of Butler.

Drainage area: 63.7 mi²

Station type: Continuous-record gaging station

Period of record: 1923-2001

Remarks: Regulation since 1962 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1923-1961	51	0.0	2,070	5.7
1962-2001	43	0.0	3,170	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1924-1961		**2**	**5**	**10**	**20**
Annual	1	0.0	--	0.0	0.0
(Apr.-Mar.)	7	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0
Winter	1	0.0	0.0	0.0	0.0
(Nov.-Apr.)	7	0.0	0.0	0.0	0.0
	30	0.4	0.0	0.0	0.0
1963-2001		**2**	**5**	**10**	**20**
Annual	1	0.2	0.0	0.0	0.0
(Apr.-Mar.)	7	0.5	0.0	0.0	0.0
	30	1.3	0.0	0.0	0.0
Winter	1	0.0	0.0	0.0	0.0
(Nov.-Apr.)	7	2.9	0.3	0.0	0.0
	30	6.0	0.0	0.0	0.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1923-1961		**2**	**5**	**10**	**25**
Annual	1	709	--	1,510	1,810
(Oct.-Sept.)	7	484	659	694	707
	30	252	321	329	331
Winter	1	523	939	1,210	1,520
(Nov.-Apr.)	7	377	577	638	673
	30	210	325	354	367
1962-2001		**2**	**5**	**10**	**25**
Annual	1	770	1,380	1,300	2,200
(Oct.-Sept.)	7	310	750	800	1,000
	30	200	330	440	520
Winter	1	406	1,050	1,300	2,000
(Nov.-Apr.)	7	237	811	982	1,430
	30	180	389	450	500

01382500 Pequannock River at Macopin Intake Dam, NJ--Continued

Period of record	Duration of daily flow: Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1923-1961																	
Annual	518	389	248	163	80	55	39	12	0.9	0.8	0.6	0.5	0.4	0.2	0.1	0.0	0.0
Winter	552	437	306	206	123	96	76	42	18	1.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
1962-2001																	
Annual	536	387	234	120	39	26	19	12	7.0	4.7	2.9	2.0	1.4	0.7	0.3	0.1	0.1
Winter	657	483	313	184	77	52	37	22	14	9.3	5.7	4.5	3.5	0.9	0.0	0.0	0.0

POMPTON, WANAQUE, AND RAMAPO BASIN

01382550 Pequannock River tributary 1 at Kinnelon, NJ

Location: Latitude 41° 00' 12", Longitude 74° 22' 07", Morris County, Hydrologic Unit 02030103, at culvert on Kinnelon Road at Kinnelon, 300 ft upstream of Maple Lake, and 1.0 mi west of Butler.

Drainage area: 1.18 mi²

Station type: Low-flow partial-record station

Period of record: 1992-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01388500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-2001	1.6	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-2001		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

POMPTON, WANAQUE, AND RAMAPO BASIN

01382700 Stone House Brook at Kinnelon, NJ

Location: Latitude 40° 59' 17", Longitude 74° 23' 09", Morris County, Hydrologic Unit 02030103, at culvert on Kinnelon Road at Kinnelon, 200 ft from dam on unnamed pond, and 0.3 mi upstream of Butler Reservoir.

Drainage area: 3.45 mi²

Station type: Low-flow partial-record station

Period of record: 1992-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379773, 01384500, 01387500, 01388500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-2001	7.4	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-2001		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.8

POMPTON, WANAQUE, AND RAMAPO BASIN

01382800 Pequannock River at Riverdale, NJ

Location: Latitude 40° 59' 55", Longitude 74° 17' 53", Morris County, Hydrologic Unit 02030103, at bridge on Paterson-Hamburg Turnpike in Riverdale, 0.6 mi upstream from Wanaque River, and 2.8 mi upstream of mouth.

Drainage area: 83.9 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-2002

Remarks: This site has a continuous data record for the period 1994-1997.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	86	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	3.0
(Apr.-Mar.)	7	3.9
	30	5.2
Winter	1	7.6
(Nov.-Apr.)	7	9.9
	30	17

POMPTON, WANAQUE, AND RAMAPO BASIN

01382870 Belcher Creek at Stowaway Road at West Milford, NJ

Location: Latitude 41° 07' 27", Longitude 74° 22' 47", Passaic County, Hydrologic Unit 02030103, at bridge on Stowaway Road in West Milford, at entrance to Pinecliff Lake, and 2.8 mi upstream from mouth.

Drainage area: 5.44 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01386000, and 01387500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	8.3	3.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.2
(Nov.-Apr.)	7	1.5
	30	2.4

POMPTON, WANAQUE, AND RAMAPO BASIN

01382880 Belcher Creek tributary at West Milford, NJ

Location: Latitude 41° 08' 06", Longitude 74° 22' 33", Passaic County, Hydrologic Unit 02030103, at bridge on Bearfort Road in West Milford, 150 ft upstream from mouth, and 3.9 mi west of Hewitt.

Drainage area: 0.61 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, and 01388500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	4.2	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

POMPTON, WANAQUE, AND RAMAPO BASIN

01382890 Belcher Creek at West Milford, NJ

Location: Latitude 41° 08' 15", Longitude 74° 22' 03", Passaic County, Hydrologic Unit 02030103, at bridge on Union Valley Road, 150 ft downstream from Pinecliff Lake dam, 0.4 mi north of West Milford, and 1.6 mi upstream from mouth.

Drainage area: 7.27 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1995

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01388500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1995	10	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1995		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.2
(Nov.-Apr.)	7	1.6
	30	2.6

POMPTON, WANAQUE, AND RAMAPO BASIN

01382910 Morsetown Brook at West Milford, NJ

Location: Latitude 41° 08' 13", Longitude 74° 21' 17", Passaic County, Hydrologic Unit 02030103, at bridge on Lincoln Avenue, 0.4 mi upstream from mouth, and 0.9 mi northeast of West Milford.

Drainage area: 1.31 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01380500, 01386000, and 01387500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	1.1	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

POMPTON, WANAQUE, AND RAMAPO BASIN

01382960 Green Brook near West Milford, NJ

Location: Latitude 41° 09' 09", Longitude 74° 21' 33", Passaic County, Hydrologic Unit 02030103, at bridge on Union Valley Road, 0.4 mi upstream from mouth, and 1.6 mi north of West Milford.

Drainage area: 2.03 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, and 01388500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	5.7	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

POMPTON, WANAQUE, AND RAMAPO BASIN

01382990 Cooley Brook near West Milford, NJ

Location: Latitude 41° 09' 16", Longitude 74° 21' 26", Passaic County, Hydrologic Unit 02030103, at bridge on Union Valley Road, 0.1 mi upstream from mouth, and 1.8 mi north of West Milford.

Drainage area: 1.34 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, and 01388500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	3.6	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.5

POMPTON, WANAQUE, AND RAMAPO BASIN

01383500 Wanaque River at Awosting, NJ

Location: Latitude 41° 09' 37", Longitude 74° 20' 01", Passaic County, Hydrologic Unit 02030103, on right bank 700 ft downstream from dam at outlet of Greenwood Lake at Awosting.

Drainage area: 27.1 mi²

Station type: Continuous-record gaging station

Period of record: 1919-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1919-2001	54	0.0	2,350	9.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1920-2001		**2**	**5**	**10**	**20**
Annual	1	3.2	1.0	0.2	0.0
(Apr.-Mar.)	7	4.1	1.7	0.6	0.1
	30	5.5	3.0	1.9	0.3
Winter	1	8.0	3.0	1.8	0.4
(Nov.-Apr.)	7	12	3.8	2.1	0.5
	30	23	7.0	4.2	2.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1919-2001		**2**	**5**	**10**	**25**
Annual	1	421	724	993	1,430
(Oct.-Sept.)	7	280	420	530	689
	30	152	207	245	295
Winter	1	325	559	780	1,160
(Nov.-Apr.)	7	239	361	461	612
	30	141	193	232	286

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1919-2001																	
Annual	349	265	181	128	83	70	60	45	33	24	15	11	8.0	5.0	3.2	1.9	0.8
Winter	383	298	214	159	111	96	85	67	53	43	34	30	25	13	5.4	2.8	1.5

POMPTON, WANAQUE, AND RAMAPO BASIN

01384000 Wanaque River at Monks, NJ

Location: Latitude 41° 07' 21", Longitude 74° 17' 49", Passaic County, Hydrologic Unit 02030103, on left bank just upstream from Wanaque Reservoir and 0.3 mi downstream from highway bridge at Monks.

Drainage area: 40.4 mi²

Station type: Continuous-record gaging station

Period of record: 1935-1985

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-1985	83	1.2	2,900	19

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-1985		**2**	**5**	**10**	**20**
Annual	1	4.6	2.8	2.1	1.7
(Apr.-Mar.)	7	5.1	3.2	2.6	2.2
	30	6.7	4.5	3.8	3.3
Winter	1	12	6.0	4.2	3.1
(Nov.-Apr.)	7	16	7.7	5.2	3.7
	30	30	14	9.2	6.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-1985		**2**	**5**	**10**	**25**
Annual	1	741	1,210	1,590	2,150
(Oct.-Sept.)	7	448	637	771	948
	30	240	316	366	430
Winter	1	614	976	1,250	1,630
(Nov.-Apr.)	7	407	571	677	805
	30	226	301	348	405

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-1985																	
Annual	542	408	282	200	125	106	90	67	49	34	20	14	10	6.6	5.1	4.0	3.4
Winter	615	475	333	248	170	146	127	101	81	66	52	46	39	21	9.9	6.3	5.0

POMPTON, WANAQUE, AND RAMAPO BASIN

01384500 Ringwood Creek near Wanaque, NJ

Location: Latitude 41° 07' 39", Longitude 74° 15' 56", Passaic County, Hydrologic Unit 02030103, on right bank 500 ft upstream from Wanaque Reservoir, 0.7 mi downstream from Ringwood Mill Pond dam, and 6.5 mi north of Wanaqu

Drainage area: 19.1 mi²

Station type: Continuous-record gaging station

Period of record: 1935-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-2001	33	0.0	756	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-2001		**2**	**5**	**10**	**20**
Annual	1	1.1	0.4	0.2	0.1
(Apr.-Mar.)	7	1.4	0.6	0.4	0.2
	30	2.3	1.0	0.7	0.5
Winter	1	5.5	2.5	1.6	1.0
(Nov.-Apr.)	7	7.6	3.5	2.2	1.5
	30	15	7.8	5.0	3.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-2001		**2**	**5**	**10**	**25**
Annual	1	329	486	591	724
(Oct.-Sept.)	7	175	240	280	327
	30	96	123	139	157
Winter	1	271	412	518	664
(Nov.-Apr.)	7	153	211	250	299
	30	90	117	134	154

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-2001																	
Annual	210	157	109	79	52	44	38	28	21	15	9.8	7.2	5.0	2.2	1.4	0.8	0.4
Winter	231	182	128	96	68	59	53	43	35	29	23	20	18	12	5.5	2.7	2.0

POMPTON, WANAQUE, AND RAMAPO BASIN

01385000 Cupsaw Brook near Wanaque, NJ

Location: Latitude 41° 06' 37", Longitude 74° 15' 22", Passaic County, Hydrologic Unit 02030103, at bridge on Carletondale Road, just upstream from Wanaque Reservoir, 0.3 mi downstream from Cupsaw Lake, and 5 mi north of Wanaque.

Drainage area: 4.37 mi²

Station type: Continuous-record gaging station

Period of record: 1935-1958

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-1958	7.9	0.0	250	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-1958		**2**	**5**	**10**	**20**
Annual	1	0.1	0.0	0.0	0.0
(Apr.-Mar.)	7	0.2	0.0	0.0	0.0
	30	0.4	0.1	0.0	0.0
Winter	1	0.4	0.1	0.1	0.0
(Nov.-Apr.)	7	0.6	0.2	0.1	0.1
	30	2.3	0.6	0.3	0.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-1958		**2**	**5**	**10**	**25**
Annual	1	107	172	218	280
(Oct.-Sept.)	7	44	63	78	100
	30	24	32	36	42
Winter	1	85	137	176	232
(Nov.-Apr.)	7	39	54	66	82
	30	23	30	34	39

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-1958																	
Annual	61	45	29	20	13	11	8.7	5.9	3.8	2.0	1.0	0.8	0.7	0.3	0.2	0.1	0.0
Winter	67	51	35	25	16	14	13	10	7.7	5.8	4.1	3.5	2.5	0.7	0.4	0.2	0.2

POMPTON, WANAQUE, AND RAMAPO BASIN

01385500 Erskine Brook near Wanaque, NJ

Location: Latitude 41° 05' 26", Longitude 74° 15' 58", Passaic County, Hydrologic Unit 02030103, on right bank just upstream from Wanaque Reservoir, 0.8 mi downstream from Lake Erskine, and 3.5 mi north of Wanaque.

Drainage area: 1.02 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1935-1940

Remarks: This site has a continuous data record for the period 1935-1938.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1935-1940	1.7	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1935-1940		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

POMPTON, WANAQUE, AND RAMAPO BASIN

01386000 West Brook near Wanaque, NJ

Location: Latitude 41° 04' 24", Longitude 74° 18' 41", Passaic County, Hydrologic Unit 02030103, on right bank just upstream from Wanaque Reservoir, 0.3 mi downstream from Burnt Meadow Brook, and 2.5 mi northwest of Wanaque.

Drainage area: 11.8 mi²

Station type: Continuous-record gaging station

Period of record: 1935-1978

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-1978	24	0.2	662	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-1978		**2**	**5**	**10**	**20**
Annual	1	1.2	0.6	0.5	0.3
(Apr.-Mar.)	7	1.5	0.8	0.6	0.4
	30	2.1	1.2	0.9	0.7
Winter	1	4.6	2.4	1.7	1.3
(Nov.-Apr.)	7	5.9	3.2	2.2	1.6
	30	11	6.3	4.6	3.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-1978		**2**	**5**	**10**	**25**
Annual	1	322	456	538	637
(Oct.-Sept.)	7	132	172	197	226
	30	66	83	93	107
Winter	1	271	386	463	562
(Nov.-Apr.)	7	117	155	181	213
	30	64	80	91	104

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-1978																	
Annual	180	127	82	56	35	30	25	19	14	10	6.3	4.9	3.8	2.1	1.5	1.0	0.5
Winter	210	152	97	69	46	41	36	29	24	19	16	14	12	7.9	5.0	3.0	2.2

POMPTON, WANAQUE, AND RAMAPO BASIN

01386500 Blue Mine Brook near Wanaque, NJ

Location: Latitude 41° 03' 31", Longitude 74° 19' 01", Passaic County, Hydrologic Unit 02030103, on left bank 0.2 mi upstream from Wanaque Reservoir and 1.8 mi northwest of Wanaque.

Drainage area: 1.01 mi²

Station type: Continuous-record gaging station

Period of record: 1935-1958

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1935-1958	2.3	0.0	121	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1936-1958		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.0	0.0	0.0	0.0
	30	0.1	0.0	0.0	0.0
Winter	1	0.3	0.1	0.1	0.0
(Nov.-Apr.)	7	0.4	0.2	0.1	0.1
	30	0.9	0.5	0.4	0.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1935-1958		**2**	**5**	**10**	**25**
Annual	1	45	69	85	105
(Oct.-Sept.)	7	15	21	25	30
	30	6.8	9.2	11	13
Winter	1	38	63	82	108
(Nov.-Apr.)	7	13	19	24	30
	30	6.5	8.9	11	13

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1935-1958																	
Annual	20	14	7.9	5.2	3.2	2.6	2.2	1.6	1.2	0.9	0.7	0.6	0.4	0.2	0.1	0.1	0.0
Winter	26	16	10	6.7	4.3	3.7	3.2	2.6	2.0	1.7	1.3	1.1	1.0	0.6	0.3	0.2	0.1

POMPTON, WANAQUE, AND RAMAPO BASIN

01387000 Wanaque River at Wanaque, NJ

Location: Latitude 41° 02' 39", Longitude 74° 17' 35", Passaic County, Hydrologic Unit 02030103, on left bank 750 ft downstream from Raymond Dam in Wanaque, and 50 ft upstream from bridge on County Route 511.

Drainage area: 90.4 mi²

Station type: Continuous-record gaging station

Period of record: 1912-2001

Remarks: Regulation since 1928 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1912-1928	173	13	3,630	72
1929-2001	57	0.1	5,470	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1913-1928		**2**	**5**	**10**	**20**
Annual	1	19	16	14	13
(Apr.-Mar.)	7	24	19	17	15
	30	34	28	23	24
Winter	1	38	24	19	15
(Nov.-Apr.)	7	47	32	26	22
	30	72	46	36	30
1930-2001		**2**	**5**	**10**	**20**
Annual	1	15	16	2.1	0.9
(Apr.-Mar.)	7	18	5.5	2.7	1.6
	30	16	9.0	3.5	2.5
Winter	1	15	7.5	4.4	2.5
(Nov.-Apr.)	7	16	10	4.0	2.5
	30	17	10	5.0	3.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1912-1928		**2**	**5**	**10**	**25**
Annual	1	1,420	2,050	2,580	3,400
(Oct.-Sept.)	7	842	1,070	1,210	1,380
	30	525	639	710	797
Winter	1	1,240	1,830	2,320	3,080
(Nov.-Apr.)	7	782	1,010	1,150	1,340
	30	511	636	710	797
1929-2001		**2**	**5**	**10**	**25**
Annual	1	800	2,050	2,400	3,300
(Oct.-Sept.)	7	510	950	1,400	1,800
	30	260	450	550	750
Winter	1	600	1,410	2,200	3,500
(Nov.-Apr.)	7	400	1,090	1,100	1,600
	30	200	471	550	800

01387000 Wanaque River at Wanaque, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1912-1928																	
Annual	968	762	571	408	274	234	200	146	105	76	55	49	42	32	27	22	20
Winter	1,050	829	625	505	355	320	288	223	182	143	106	89	77	49	39	31	29
1929-2001																	
Annual	715	498	259	122	34	27	24	20	18	17	15	15	14	13	4.2	2.3	1.7
Winter	844	612	363	200	66	34	25	20	18	18	17	16	16	12	4.0	2.5	1.6

POMPTON, WANAQUE, AND RAMAPO BASIN

01387400 Ramapo River at Ramapo, NY

Location: Latitude 41° 08' 25", Longitude 741° 00' 7", Rockland County (NY), Hydrologic Unit 02030103, on right bank, 105 ft downstream from highway bridge on New York State Thruway at Ramapo, 500 ft upstream from local bridge, and 0.3 mi upstream from Torne Brook.

Drainage area: 86.9 mi²

Station type: Continuous-record gaging station

Period of record: 1979-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1979-2001	164	7.9	6,300	47

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**20**
Annual	1	12	9.4	8.4	7.7
(Apr.-Mar.)	7	13	9.9	8.9	8.2
	30	16	12	10	9.4
Winter	1	33	20	15	12
(Nov.-Apr.)	7	43	25	18	14
	30	75	42	28	20

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**25**
Annual	1	2,120	3,390	4,470	6,140
(Oct.-Sept.)	7	1,010	1,510	1,840	2,270
	30	482	698	837	1,010
Winter	1	1,670	2,910	3,870	5,230
(Nov.-Apr.)	7	871	1,390	1,730	2,160
	30	445	659	809	1,010

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1979-2001																	
Annual	1,280	907	534	358	223	193	165	125	93	70	44	34	27	18	14	12	10
Winter	1,500	1,090	684	472	299	261	232	187	154	127	102	90	79	51	31	17	15

POMPTON, WANAQUE, AND RAMAPO BASIN

01387420 Ramapo River at Suffern, NY

Location: Latitude 41° 07' 06", Longitude 740° 93' 7", Rockland County (NY), Hydrologic Unit 02030103, on left bank, 145 ft downstream from highway bridge on New York State Thruway at Suffern, and 1.1 mi upstream from Mahwah River

Drainage area: 93 mi²

Station type: Continuous-record gaging station

Period of record: 1979-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1979-2001	171	2.3	7,110	36

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**20**
Annual	1	7.4	4.6	3.5	2.7
(Apr.-Mar.)	7	8.4	5.7	4.6	3.9
	30	12	8.6	7.2	6.2
Winter	1	30	16	11	7.9
(Nov.-Apr.)	7	39	20	13	8.7
	30	75	36	22	13

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**25**
Annual	1	2,340	3,780	4,990	6,870
(Oct.-Sept.)	7	1,110	1,640	2,010	2,480
	30	524	753	894	1,060
Winter	1	1,860	3,240	4,310	5,810
(Nov.-Apr.)	7	964	1,520	1,880	2,320
	30	485	709	859	1,050

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1979-2001																	
Annual	1,410	959	578	379	241	203	174	125	91	65	39	28	21	13	11	7.8	6.3
Winter	1,610	1,140	724	499	320	279	244	196	160	128	102	89	77	49	24	13	8.9

POMPTON, WANAQUE, AND RAMAPO BASIN

01387450 Mahwah River near Suffern, NY

Location: Latitude 41° 08' 27", Longitude 740° 70' 0", Rockland County (NY), Hydrologic Unit 02030103, on left bank 13 ft upstream from bridge on U.S. Highway 202, 2.5 mi northeast of Suffern, and 4.8 upstream of mouth.

Drainage area: 12.3 mi²

Station type: Continuous-record gaging station

Period of record: 1959-1995

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1959-1995	24	0.1	1,040	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1960-1995		**2**	**5**	**10**	**20**
Annual	1	1.3	0.6	0.4	0.3
(Apr.-Mar.)	7	1.5	0.9	0.7	0.5
	30	2.3	1.3	1.0	0.8
Winter	1	4.9	2.3	1.5	1.0
(Nov.-Apr.)	7	6.5	3.1	1.9	1.2
	30	11	6.4	4.5	3.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1959-1995		**2**	**5**	**10**	**25**
Annual	1	305	486	628	831
(Oct.-Sept.)	7	140	198	236	285
	30	71	96	111	127
Winter	1	271	451	571	716
(Nov.-Apr.)	7	129	189	221	256
	30	66	92	107	124

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1959-1995																	
Annual	181	124	78	53	34	28	25	19	15	11	7.3	5.7	4.3	2.2	1.5	0.8	0.4
Winter	210	151	95	68	45	38	34	27	22	19	15	14	12	8.1	5.0	2.7	1.8

POMPTON, WANAQUE, AND RAMAPO BASIN

01387480 Mahwah River at Suffern, NY

Location: Latitude 41° 06' 54", Longitude 740° 84' 5", Rockland County (NY), Hydrologic Unit 02030103, on right bank at bridge on State Highway 59 (Lafayette Boulevard), 1 mile upstream from mouth.

Drainage area: 20.8 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2003

Remarks: This site has a continuous data record for the period 1961-1962. Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387400, 01387450, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2003	38	7.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2003		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	1.1
Winter	1	1.8
(Nov.-Apr.)	7	2.5
	30	5.8

POMPTON, WANAQUE, AND RAMAPO BASIN

01387490 Masonicus Brook at West Mahwah, NJ

Location: Latitude 41° 05' 53", Longitude 74° 08' 56", Bergen County, Hydrologic Unit 02030103, at bridge on Eastview Avenue at West Mahwah, 0.3 mi downstream from Winters Pond and 0.4 mi upstream from mouth.

Drainage area: 3.84 mi²

Station type: Low-flow partial-record station

Period of record: 1982-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-2001	8.8	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-2001		
Annual	1	0.6
(Apr.-Mar.)	7	0.8
	30	0.9
Winter	1	1.3
(Nov.-Apr.)	7	1.6
	30	2.4

POMPTON, WANAQUE, AND RAMAPO BASIN

01387500 Ramapo River near Mahwah, NJ

Location: Latitude 41° 05' 53", Longitude 74° 09' 46", Bergen County, Hydrologic Unit 02030103, on left bank 350 ft downstream from State Highway 17, 0.6 mi downstream from Mahwah River, 1.0 mi west of Mahwah, and 1.2 mi downstream of New York-New Jersey state-line.

Drainage area: 120 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-2001	226	1.2	8,920	69

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-2001		**2**	**5**	**10**	**20**
Annual	1	19	11	9.5	7.0
(Apr.-Mar.)	7	21	14	13	9.8
	30	28	18	15	12
Winter	1	47	27	20	15
(Nov.-Apr.)	7	58	34	25	19
	30	101	57	40	30

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-2001		**2**	**5**	**10**	**25**
Annual	1	2,410	3,920	5,170	7,070
(Oct.-Sept.)	7	1,210	1,720	2,080	2,550
	30	647	842	954	1,080
Winter	1	2,000	3,140	3,980	5,120
(Nov.-Apr.)	7	1,080	1,490	1,750	2,050
	30	608	793	904	1,030

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-2001																	
Annual	1,550	1,130	724	511	326	277	238	182	137	99	69	56	45	27	21	16	13
Winter	1,680	1,310	893	641	439	382	336	269	220	181	147	129	110	71	48	28	21

POMPTON, WANAQUE, AND RAMAPO BASIN

01387520 Stag Brook near Mahwah, NJ

Location: Latitude 41° 05' 45", Longitude 74° 10' 24", Bergen County, Hydrologic Unit 02030103, at bridge 300 ft upstream from mouth, and 1.5 mi west of Mahwah.

Drainage area: 1.35 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01387500, and 01390500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1982	1.9	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1982		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

POMPTON, WANAQUE, AND RAMAPO BASIN

01387600 Darlington Brook near Darlington, NJ

Location: Latitude 41° 04' 46", Longitude 74° 11' 01", Bergen County, Hydrologic Unit 02030103, at bridge on Valley Road (U.S. Route 202) at Darlington, 0.3 mi upstream from mouth, and 2.6 mi northwest of Ramsey.

Drainage area: 3.38 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01387500, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	3.8	1.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.6
	30	0.9

POMPTON, WANAQUE, AND RAMAPO BASIN

01387670 Ramapo River near Darlington, NJ

Location: Latitude 41° 03' 57", Longitude 74° 12' 30", Bergen County, Hydrologic Unit 02030103, at bridge on Bear Swamp Road, 250 ft upstream from Bear Swamp Brook, 1.6 mi southwest of Darlington, and 3.0 mi northeast of Oakland.

Drainage area: 131 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01387500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1998	261	67

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1998		
Annual	1	5.8
(Apr.-Mar.)	7	8.5
	30	10
Winter	1	16
(Nov.-Apr.)	7	21
	30	38

POMPTON, WANAQUE, AND RAMAPO BASIN

01387700 Bear Swamp Brook near Oakland, NJ

Location: Latitude 41° 03' 59", Longitude 74° 12' 34", Bergen County, Hydrologic Unit 02030103, at bridge, 0.1 mi upstream from mouth, and 2.9 mi northeast of Oakland.

Drainage area: 3.25 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01387500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	2.6	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

POMPTON, WANAQUE, AND RAMAPO BASIN

01387884 Pond Brook at US Route 202 at Oakland, NJ

Location: Latitude 41° 01' 46", Longitude 74° 14' 12", Bergen County, Hydrologic Unit 02030103, at bridge on U.S. Route 202, 0.3 mi upstream from mouth.

Drainage area: 7.53 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1972	12	4.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1972		
Annual	1	0.7
(Apr.-Mar.)	7	1.0
	30	1.2
Winter	1	1.9
(Nov.-Apr.)	7	2.3
	30	3.5

POMPTON, WANAQUE, AND RAMAPO BASIN

01387930 Ramapo River tributary No. 5 at Oakland, NJ

Location: Latitude 41° 00' 54", Longitude 74° 15' 13", Bergen County, Hydrologic Unit 02030103, at bridge on U.S. Route 202, 0.35 mi above mouth, and 1.5 mi southwest of Oakland, Bergen County.

Drainage area: 0.86 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, 01388500, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	2.3	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.1
	30	1.3

POMPTON, WANAQUE, AND RAMAPO BASIN

01387950 Acid Brook at Pompton Lakes, NJ

Location: Latitude 41° 00' 19", Longitude 74° 16' 56", Passaic County, Hydrologic Unit 02030103, at bridge on Lakeside Avenue in Pompton Lakes, Passaic County.

Drainage area: 1.79 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01386000, 01387500, 01390500, and 01391000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	1.6	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.4
	30	0.6

POMPTON, WANAQUE, AND RAMAPO BASIN

01387980 Haycock Brook at Pompton Lakes, NJ

Location: Latitude 40° 59' 40", Longitude 74° 16' 27", Passaic County, Hydrologic Unit 02030103, at bridge on U.S. Highway 202 at Pompton Lakes, 150 ft upstream from mouth and 1.5 mi east of Riverdale.

Drainage area: 4.18 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, and 01387500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1982	4.7	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1982		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.4
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	1.3

POMPTON, WANAQUE, AND RAMAPO BASIN

01388000 Ramapo River at Pompton Lakes, NJ

Location: Latitude 40° 59' 33", Longitude 74° 16' 43", Passaic County, Hydrologic Unit 02030103, on right end of dam at pumping station in Pompton Lakes, 450 ft upstream from bridge on Paterson-Hamburg Turnpike, and 2.0 mi upstream from mouth.

Drainage area: 160 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	286	0.0	10,700	54

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	22	6.2	1.3	0.0
(Apr.-Mar.)	7	29	17	8.5	4.8
	30	40	23	16	12
Winter	1	59	27	15	0.0
(Nov.-Apr.)	7	75	42	32	15
	30	126	66	44	30

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	2,940	4,780	6,290	8,560
(Oct.-Sept.)	7	1,540	2,190	2,640	3,200
	30	833	1,100	1,240	1,380
Winter	1	2,420	3,920	5,110	6,860
(Nov.-Apr.)	7	1,400	1,960	2,270	2,620
	30	778	1,040	1,190	1,350

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	1,890	1,450	938	660	422	358	304	225	164	117	84	70	58	36	26	13	3.6
Winter	2,170	1,740	1,190	853	574	493	422	344	272	215	162	137	113	70	48	29	18

POMPTON, WANAQUE, AND RAMAPO BASIN

01388500 Pompton River at Pompton Plains, NJ

Location: Latitude 40° 58' 09", Longitude 74° 16' 55", Passaic County, Hydrologic Unit 02030103, on left bank just upstream of the Passaic Valley Water Commission pumping station, 800 ft below confluence of Pequannock and Ramapo Rivers, 140 ft upstream from bridge on Jackson Avenue (Pompton Plains Cross Road), and 0.7 mi east of Pompton Plains.

Drainage area: 355 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-2001	490	0.0	28,300	163

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-2001		**2**	**5**	**10**	**20**
Annual	1	59	40	31	25
(Apr.-Mar.)	7	65	44	35	29
	30	80	54	43	36
Winter	1	106	64	48	37
(Nov.-Apr.)	7	125	77	57	45
	30	200	118	87	67

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-2001		**2**	**5**	**10**	**25**
Annual	1	5,020	8,800	11,900	16,600
(Oct.-Sept.)	7	2,820	4,470	5,610	7,100
	30	1,490	2,170	2,550	2,970
Winter	1	3,920	6,680	8,800	11,800
(Nov.-Apr.)	7	2,360	3,680	4,520	5,530
	30	1,320	1,960	2,360	2,820

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-2001																	
Annual	3,570	2,650	1,730	1,160	687	550	468	337	249	184	139	121	104	73	56	40	30
Winter	3,860	2,950	2,050	1,470	938	791	678	511	400	317	242	207	176	127	87	59	45

POMPTON, WANAQUE, AND RAMAPO BASIN

01388700 Beaver Dam Brook at Lincoln Park, NJ

Location: Latitude 40° 55' 29", Longitude 74° 18' 09", Morris County, Hydrologic Unit 02030103, at bridge on Park Avenue at Lincoln Park, 0.6 mi downstream of East Ditch, and 0.7 mi upstream of mouth.

Drainage area: 12.3 mi²

Station type: Low-flow partial-record station

Period of record: 1992-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379773, 01380500, 01384500, 01387500, 01399500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-2002	28	5.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	1.0
(Nov.-Apr.)	7	1.4
	30	2.9

POMPTON, WANAQUE, AND RAMAPO BASIN

01388720 Beaver Dam Brook at Ryerson Road, at Lincoln Park, NJ

Location: Latitude 40° 55' 35", Longitude 74° 17' 34", Morris County, Hydrologic Unit 02030103, at bridge on Ryerson Road in Lincoln Park,700 ft north of intersection of Ryerson Road and Park Avenue, and 0.3 mi upstream of mouth.

Drainage area: 13.1 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379773, 01380500, 01384500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2003	20	5.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2003		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	1.1
(Nov.-Apr.)	7	1.5
	30	3.1

UPPER PASSAIC, WHIPPANY, AND ROCKAWAY BASIN

01389000 Pompton River at Two Bridges, NJ

Location: Latitude 40° 53' 52", Longitude 74° 16' 21", Passaic County, Hydrologic Unit 02030103, at bridge on Two Bridge Road, just above mouth, 0.3 mi northeast of Two Bridges, and 2.6 mi northwest of Little Falls.

Drainage area: 372 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1998

Remarks: Low-flow frequency estimates are based on correlation with gaging station 01388500. The correlation is considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1998	582	192

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1998		
Annual	1	36
(Apr.-Mar.)	7	41
	30	50
Winter	1	56
(Nov.-Apr.)	7	67
	30	102

LOWER PASSAIC AND SADDLE BASIN

01389100 Singac Brook at Singac, NJ

Location: Latitude 40° 53' 37", Longitude 74° 15' 56", Passaic County, Hydrologic Unit 02030103, at bridge on Fairfield Road between Interstate 80 and U.S. Route 46, 60 ft upstream from mouth, 1.2 mi northwest of Singac, and 1.8 mi northwest of Little Falls.

Drainage area: 11.1 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384500, 01388500, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	25	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	5.3
(Apr.-Mar.)	7	6.0
	30	7.0
Winter	1	8.5
(Nov.-Apr.)	7	9.4
	30	12

LOWER PASSAIC AND SADDLE BASIN

01389110 Passaic River at Route 46, at Singac, NJ

Location: Latitude 40° 53' 32", Longitude 74° 15' 57", Passaic County, Hydrologic Unit 02030103, at bridge on U.S. Route 46, 400 downstream of Singac Brook, 1.4 mi west of Singac, and 0.6 mi downstream from Pompton River.

Drainage area: 745 mi²

Station type: Low-flow partial-record station

Period of record: 1996-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01388500, and 01389500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1996-2001	1,100	424

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1996-2001		
Annual	1	76
(Apr.-Mar.)	7	90
	30	116
Winter	1	141
(Nov.-Apr.)	7	177
	30	273

LOWER PASSAIC AND SADDLE BASIN

01389140 Deepavaal Brook at Two Bridges, NJ

Location: Latitude 40° 53' 14", Longitude 74° 15' 59", Essex County, Hydrologic Unit 02030103, at bridge on Little Falls Road, 400 ft upstream of Passaic River, 0.8 mi southeast of Two Bridges, and 1.5 mi west of Little Falls.

Drainage area: 7.59 mi²

Station type: Low-flow partial-record station

Period of record: 1983-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379773, 01380500, 01384500, 01388500, 01396500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1983-1999	8.0	3.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1983-1999		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.9

LOWER PASSAIC AND SADDLE BASIN

01389500 Passaic River at Little Falls, NJ

Location: Latitude 40° 53' 05", Longitude 74° 13' 34", Passaic County, Hydrologic Unit 02030103, on left bank 0.6 mi downstream from Beatties Dam in Little Falls, and 1.0 mi upstream from Peckman River.

Drainage area: 762 mi²

Station type: Continuous-record gaging station

Period of record: 1897-2001

Remarks: Regulation since 1927 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1897-1927	1,260	0.0	28,000	288
1928-2001	1,090	2.0	18,200	270

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1898-1927		**2**	**5**	**10**	**20**
Annual	1	36	15	7.3	0.0
(Apr.-Mar.)	7	98	53	36	26
	30	140	79	57	43
Winter	1	150	66	43	30
(Nov.-Apr.)	7	223	113	80	60
	30	380	205	153	122
1929-2001		**2**	**5**	**10**	**20**
Annual	1	9.8	15	17	70
(Apr.-Mar.)	7	87	46	31	22
	30	132	75	55	42
Winter	1	183	83	50	31
(Nov.-Apr.)	7	228	119	82	59
	30	423	75	158	42

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1897-1927		**2**	**5**	**10**	**25**
Annual	1	7,720	11,200	14,100	18,600
(Oct.-Sept.)	7	6,240	8,610	10,500	13,300
	30	3,940	4,910	5,580	6,480
Winter	1	7,470	10,300	12,200	14,600
(Nov.-Apr.)	7	6,000	8,020	9,370	11,100
	30	3,760	4,730	5,410	6,300
1928-2001		**2**	**5**	**10**	**25**
Annual	1	6,340	11,200	11,400	14,300
(Oct.-Sept.)	7	5,210	7,420	8,810	10,500
	30	3,040	4,150	4,790	5,500
Winter	1	5,330	7,890	9,760	12,300
(Nov.-Apr.)	7	4,470	7,420	7,820	9,520
	30	2,790	4,150	4,600	5,420

01389500 Passaic River at Little Falls, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1897-1927																	
Annual	7,170	6,240	4,430	3,140	2,100	1,750	1,480	1,040	706	477	319	259	212	131	86	48	35
Winter	8,170	6,980	5,280	3,960	2,770	2,440	2,160	1,700	1,320	991	679	564	455	248	167	111	82
1928-2001																	
Annual	6,530	4,950	3,680	2,720	1,810	1,500	1,270	886	620	431	295	242	198	119	79	49	37
Winter	6,650	5,570	4,200	3,210	2,300	2,030	1,780	1,380	1,070	812	599	499	413	257	173	101	72

LOWER PASSAIC AND SADDLE BASIN

01389534 Peckman River at Ozone Avenue, at Verona, NJ

Location: Latitude 40° 50' 42", Longitude 74° 14' 08", Passaic County, Hydrologic Unit 02030103, at bridge on Ozone Avenue in Verona, 1.0 mi southwest of Cedar Grove Reservoir, and 4.0 mi west of Clifton.

Drainage area: 4.45 mi²

Station type: Low-flow partial-record station

Period of record: 1980-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01390500, and 01393450. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1980-2002	9.4	6.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1980-2002		
Annual	1	2.6
(Apr.-Mar.)	7	3.1
	30	3.7
Winter	1	3.3
(Nov.-Apr.)	7	3.7
	30	4.6

LOWER PASSAIC AND SADDLE BASIN

01389600 Peckman River at West Paterson, NJ

Location: Latitude 40° 53' 32", Longitude 74° 12' 42", Passaic County, Hydrologic Unit 02030103, at bridge on McBride Avenue, 0.2 mi above mouth, and 0.7 mi west of West Paterson.

Drainage area: 10.1 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	20	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	6.0
(Apr.-Mar.)	7	6.8
	30	7.8
Winter	1	8.7
(Nov.-Apr.)	7	9.5
	30	12

LOWER PASSAIC AND SADDLE BASIN

01389765 Molly Ann Brook at North Haledon, NJ

Location: Latitude 40° 57' 11", Longitude 74° 11' 06", Passaic County, Hydrologic Unit 02030103, Overlook Avenue in North Haledon, 0.5 mi upstream from Oldham Pond Dam, and 1.5 mi west of Hawthorne.

Drainage area: 3.89 mi²

Station type: Low-flow partial-record station

Period of record: 1980-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, 01384500, 01390500, and 01391500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1980-2002	2.5	1.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1980-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	1.1

LOWER PASSAIC AND SADDLE BASIN

01389790 Molly Ann Brook at Paterson, NJ

Location: Latitude 40° 54' 52", Longitude 74° 11' 25", Passaic County, Hydrologic Unit 02030103, at bridge on Totowa Avenue, 0.1 mi upstream from mouth, and 1.8 mi west of Paterson.

Drainage area: 7.73 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1994

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384000, 01384500, 01386000, 01387500, 01390500, and 01396500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1994	2.1	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1994		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.7

LOWER PASSAIC AND SADDLE BASIN

01389850 Goffle Brook at Hawthorne, NJ

Location: Latitude 40° 56' 20", Longitude 74° 09' 47", Passaic County, Hydrologic Unit 02030103, at bridge on Wagaraw Road, 0.1 mi upstream from mouth, 1.9 mi north of Paterson and 1.1 mi southwest of Hawthorne, Passaic County.

Drainage area: 8.77 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01387500, and 01390500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1998	10	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1998		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	1.2
(Nov.-Apr.)	7	1.5
	30	2.4

LOWER PASSAIC AND SADDLE BASIN

01389905 Fleischer Brook at Elmwood Park, NJ

Location: Latitude 40° 53' 26", Longitude 74° 07' 14", Bergen County, Hydrologic Unit 02030103, on Martha Street in East Paterson, 0.1 mi upstream from southern borough boundary, 0.2 mi downstream interchange 157 of Garden State Parkway with U.S. Highway 46, and 1.3 mi above mouth.

Drainage area: 1.78 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, 01390500, and 01391500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1972	1.3	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1972		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.5

LOWER PASSAIC AND SADDLE BASIN

01390450 Saddle River at Upper Saddle River, NJ

Location: Latitude 41° 03' 32", Longitude 74° 05' 43", Bergen County, Hydrologic Unit 02030103, at culvert on Lake Street in Upper Saddle River, 1.3 mi downstream from Pine Brook and 1.7 mi downstream from New York-New Jersey State Line.

Drainage area: 10.9 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, 01388500, and 01390500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	14	6.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	1.5
(Apr.-Mar.)	7	2.0
	30	2.4
Winter	1	3.1
(Nov.-Apr.)	7	3.6
	30	5.0

LOWER PASSAIC AND SADDLE BASIN

01390500 Saddle River at Ridgewood, NJ

Location: Latitude 40° 59' 06", Longitude 74° 05' 26", Bergen County, Hydrologic Unit 02030103, on left bank 15 ft upstream from bridge on State Highway 17 in Ridgewood and 2.8 mi upstream from Hohokus Brook.

Drainage area: 21.6 mi²

Station type: Continuous-record gaging station

Period of record: 1955-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1955-2001	34	0.2	1,610	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1956-2001		**2**	**5**	**10**	**20**
Annual	1	4.2	2.0	1.2	0.7
(Apr.-Mar.)	7	5.0	2.9	2.1	1.5
	30	7.4	4.3	3.1	2.2
Winter	1	4.1	6.5	5.1	10
(Nov.-Apr.)	7	12	7.9	6.0	4.8
	30	18	12	9.6	7.8

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1955-2001		**2**	**5**	**10**	**25**
Annual	1	402	614	789	1,060
(Oct.-Sept.)	7	146	208	250	304
	30	82	111	128	147
Winter	1	330	510	647	841
(Nov.-Apr.)	7	124	178	213	257
	30	74	102	120	140

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1955-2001																	
Annual	235	160	102	67	46	40	35	27	22	18	14	12	10	6.6	4.8	3.1	2.3
Winter	261	184	117	82	55	48	44	36	31	26	21	20	17	13	8.8	6.4	5.6

LOWER PASSAIC AND SADDLE BASIN

01390700 Hohokus Brook at Wyckoff, NJ

Location: Latitude 41° 01' 25", Longitude 74° 10' 04", Bergen County, Hydrologic Unit 02030103, at bridge on Wyckoff Avenue (County Route 87), 1.0 mi north of Wyckoff, and 1.2 mi upstream from Valentine Brook.

Drainage area: 5.31 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, 01390500, and 01391000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	10	5.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	1.6
(Apr.-Mar.)	7	1.9
	30	2.3
Winter	1	2.8
(Nov.-Apr.)	7	3.3
	30	4.3

LOWER PASSAIC AND SADDLE BASIN

01390800 Valentine Brook at Allendale, NJ

Location: Latitude 41° 01' 53", Longitude 74° 09' 09", Bergen County, Hydrologic Unit 02030103, at bridge on Forest Road (County Route 85), 0.4 mi upstream from mouth, 1.1 mi west of Allendale, and 1.9 mi northeast of Wyckoff.

Drainage area: 2.48 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01387500, 01388500, 01390500, and 01391000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	5.7	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.8
(Nov.-Apr.)	7	1.0
	30	1.5

LOWER PASSAIC AND SADDLE BASIN

01390900 Ramsey Brook at Allendale, NJ

Location: Latitude 41° 01' 44", Longitude 74° 08' 06", Bergen County, Hydrologic Unit 02030103, at bridge on Brookside Avenue in Allendale and 0.6 mi upstream from Hohokus Brook.

Drainage area: 2.55 mi²

Station type: Low-flow partial-record station

Period of record: 1975-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01387500, 01388500, 01390500, 01391000, 01396500, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-2001	2.0	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.7

LOWER PASSAIC AND SADDLE BASIN

01391000 Hohokus Brook at Ho-Ho-Kus, NJ

Location: Latitude 40° 59' 52", Longitude 74° 06' 43", Bergen County, Hydrologic Unit 02030103, on left bank 500 ft upstrean from bridge on Maple Avenue in Ho-Ho-Kus, and 3.5 mi upstream from mouth.

Drainage area: 16.4 mi²

Station type: Continuous-record gaging station

Period of record: 1955-1996

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1955-1996	35	2.5	1,220	19

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1956-1996		**2**	**5**	**10**	**20**
Annual	1	8.0	4.9	3.6	2.8
(Apr.-Mar.)	7	9.5	6.0	4.6	3.6
	30	12	7.8	5.9	4.6
Winter	1	14	9.2	7.1	5.7
(Nov.-Apr.)	7	17	11	8.9	7.1
	30	21	15	12	10

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1955-1996		**2**	**5**	**10**	**25**
Annual	1	353	545	714	989
(Oct.-Sept.)	7	135	189	225	271
	30	74	102	120	143
Winter	1	292	461	601	813
(Nov.-Apr.)	7	114	160	192	234
	30	66	90	107	130

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1955-1996																	
Annual	214	151	95	65	46	40	36	30	25	22	18	17	15	11	7.6	5.3	4.2
Winter	232	167	107	75	52	47	43	36	31	27	24	22	20	16	13	9.4	7.9

LOWER PASSAIC AND SADDLE BASIN

01391110 Saddle River at Paramus, NJ

Location: Latitude 40° 56' 47", Longitude 74° 05' 55", Bergen County, Hydrologic Unit 02030103, on Dunkerhook Road in Paramus, Bergen County, 0.75 mi downstream from Hohokus Brook, and 2.2 mi northwest of Paramus.

Drainage area: 45 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01390500 and 01391500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1972	95	44

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1972		
Annual	1	5.2
(Apr.-Mar.)	7	7.0
	30	10
Winter	1	14
(Nov.-Apr.)	7	16
	30	24

LOWER PASSAIC AND SADDLE BASIN

01391485 Sprout Brook at Rochelle Park, NJ

Location: Latitude 40° 54' 45", Longitude 74° 04' 46", Bergen County, Hydrologic Unit 02030103, at bridge on Passaic Street in Rochelle Park, 0.9 mi upstream from mouth.

Drainage area: 5.56 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01390500, and 01391500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	8.6	6.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	2.7
(Apr.-Mar.)	7	3.0
	30	3.5
Winter	1	4.1
(Nov.-Apr.)	7	4.4
	30	5.2

LOWER PASSAIC AND SADDLE BASIN

01391500 Saddle River at Lodi, NJ

Location: Latitude 40° 53' 25", Longitude 74° 04' 50", Bergen County, Hydrologic Unit 02030103, on left bank 560 ft upstrean from bridge on Outwater Lane in Lodi, 1.3 mi south of Rochelle Park, and 3.2 mi upstream from mouth.

Drainage area: 54.6 mi²

Station type: Continuous-record gaging station

Period of record: 1924-2001

Remarks: Regulation since 1965 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1924-1965	94	6.0	2,330	53
1966-2001	105	4.9	2,970	54

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1925-1965		**2**	**5**	**10**	**20**
Annual	1	19	12	9.0	6.5
(Apr.-Mar.)	7	21	15	13	11
	30	27	19	17	12
Winter	1	32	23	20	18
(Nov.-Apr.)	7	38	27	23	20
	30	54	38	31	27
1967-2001		**2**	**5**	**10**	**20**
Annual	1	22	13	8.0	6.8
(Apr.-Mar.)	7	25	16	9.0	7.5
	30	33	21	13	12
Winter	1	33	22	15	11
(Nov.-Apr.)	7	39	24	18	14
	30	56	21	26	13

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1924-1965		**2**	**5**	**10**	**25**
Annual	1	804	1,150	1,400	1,760
(Oct.-Sept.)	7	353	549	593	737
	30	208	273	317	375
Winter	1	654	936	1,150	1,450
(Nov.-Apr.)	7	308	410	484	583
	30	192	251	291	342
1966-2001		**2**	**5**	**10**	**25**
Annual	1	1,270	1,470	2,120	2,540
(Oct.-Sept.)	7	441	610	719	854
	30	236	321	371	429
Winter	1	960	1,190	1,870	2,410
(Nov.-Apr.)	7	343	610	600	737
	30	205	321	341	408

01391500 Saddle River at Lodi, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1924-1965																	
Annual	520	388	258	189	134	115	104	83	69	55	44	39	34	25	20	15	13
Winter	544	432	300	222	160	142	128	107	92	78	66	60	55	41	33	26	24
1966-2001																	
Annual	718	502	301	202	138	117	107	86	72	59	48	43	38	28	21	16	13
Winter	631	475	306	222	155	139	124	105	90	77	65	59	53	38	30	23	20

LOWER PASSAIC AND SADDLE BASIN

01392000 Weasel Brook at Clifton, NJ

Location: Latitude 40° 52' 12", Longitude 74° 08' 46", Passaic County, Hydrologic Unit 02030103, at right end of masonry dan at Jewett Street in Clifton.

Drainage area: 4.45 mi²

Station type: Continuous-record gaging station

Period of record: 1937-1962

Remarks: Regulation since 1950 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1937-1950	4.9	0.0	204	0.9
1952-1962	7.2	0.6	167	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1938-1950		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.3	0.2	0.0	0.0
	30	0.7	0.3	0.2	0.1
Winter	1	0.5	0.1	0.0	0.0
(Nov.-Apr.)	7	1.2	0.4	0.2	0.1
	30	2.0	0.8	0.4	0.2
1953-1962		**2**	**5**	**10**	**20**
Annual	1	1.4	0.0	0.6	0.4
(Apr.-Mar.)	7	2.0	1.5	0.8	0.5
	30	2.6	1.6	1.1	0.8
Winter	1	0.8	1.4	1.0	2.1
(Nov.-Apr.)	7	2.5	1.7	1.3	1.0
	30	3.9	1.8	2.9	1.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1937-1950		**2**	**5**	**10**	**25**
Annual	1	77	115	144	187
(Oct.-Sept.)	7	26	36	42	48
	30	13	18	20	23
Winter	1	54	73	85	101
(Nov.-Apr.)	7	19	24	27	30
	30	11	14	15	16
1952-1962		**2**	**5**	**10**	**25**
Annual	1	104	115	157	179
(Oct.-Sept.)	7	31	36	39	42
	30	15	19	21	24
Winter	1	72	108	136	176
(Nov.-Apr.)	7	24	36	37	43
	30	13	19	21	25

01392000 Weasel Brook at Clifton, NJ--Continued

Period of record	Duration of daily flow: Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1937-1950																	
Annual	38	28	17	11	6.7	5.6	4.7	3.7	2.9	2.3	1.7	1.4	1.1	0.5	0.3	0.1	0.1
Winter	37	28	18	12	7.9	6.6	5.8	4.4	3.6	2.9	2.4	2.1	1.8	1.1	0.3	0.0	0.0
1952-1962																	
Annual	55	42	24	15	8.5	7.3	6.3	5.3	4.3	3.8	3.3	3.0	2.7	2.1	1.7	1.4	1.1
Winter	56	45	27	17	10	8.6	7.5	6.2	5.3	4.6	4.0	3.6	3.3	2.5	2.0	1.5	0.9

LOWER PASSAIC AND SADDLE BASIN

01392200 Third River at Nutley, NJ

Location: Latitude 40° 49' 29", Longitude 74° 08' 54", Essex County, Hydrologic Unit 02030103, at bridge on Passaic Avenue and Rutgers Place at Kingsland Park at Nutley, 2.1 mi upstream from mouth.

Drainage area: 11.4 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1973

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01384500, 01390500, and 01391500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1973	15	8.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1973		
Annual	1	1.8
(Apr.-Mar.)	7	2.1
	30	2.8
Winter	1	3.5
(Nov.-Apr.)	7	4.0
	30	5.5

LOWER PASSAIC AND SADDLE BASIN

01392210 Third River at Passaic, NJ

Location: Latitude 40° 49' 47", Longitude 74° 08' 31", Passaic County, Hydrologic Unit 02030103, on right bank 400 ft upstream from bridge on State Highway 3, 0.8 mi south of Passaic, 1.2 mi upstream from Passaic River.

Drainage area: 11.8 mi²

Station type: Continuous-record gaging station

Period of record: 1977-1997

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1977-1997	21	3.9	798	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1978-1997		**2**	**5**	**10**	**20**
Annual	1	4.9	4.2	3.9	3.7
(Apr.-Mar.)	7	5.6	4.7	4.4	4.2
	30	7.6	6.4	5.9	5.5
Winter	1	6.4	5.3	5.0	4.7
(Nov.-Apr.)	7	7.3	6.0	5.6	5.2
	30	11	8.7	7.7	7.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1977-1997		**2**	**5**	**10**	**25**
Annual	1	303	452	569	738
(Oct.-Sept.)	7	95	125	142	159
	30	45	59	68	77
Winter	1	244	394	523	727
(Nov.-Apr.)	7	74	112	138	173
	30	39	56	66	79

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1977-1997																	
Annual	185	131	67	39	23	20	18	14	12	10	8.8	8.1	7.5	6.3	5.4	4.8	4.6
Winter	198	135	72	42	25	22	19	16	14	12	9.9	9.2	8.6	7.3	6.4	5.7	5.4

LOWER PASSAIC AND SADDLE BASIN

01392500 Second River at Belleville, NJ

Location: Latitude 40° 47' 17", Longitude 74° 10' 18", Essex County, Hydrologic Unit 02030103, on Mill Street in Branch Brook Park at Belleville, 300 ft downstream from Franklin Avenue, and 1,100 ft downstream from Hendricks Pond dam.

Drainage area: 11.6 mi²

Station type: Continuous-record gaging station

Period of record: 1937-1964

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1937-1964	18	2.3	658	9.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1938-1964		**2**	**5**	**10**	**20**
Annual	1	3.8	3.0	2.6	2.4
(Apr.-Mar.)	7	4.9	4.0	3.6	3.4
	30	6.9	5.6	5.0	4.6
Winter	1	4.4	3.4	3.0	2.6
(Nov.-Apr.)	7	5.4	4.2	3.8	3.4
	30	8.6	6.5	5.5	4.8

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1937-1964		**2**	**5**	**10**	**25**
Annual	1	291	393	471	581
(Oct.-Sept.)	7	84	103	116	131
	30	39	46	50	53
Winter	1	203	277	332	407
(Nov.-Apr.)	7	62	77	87	99
	30	31	39	43	49

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1937-1964																	
Annual	156	113	64	35	19	17	15	12	10	8.8	7.6	7.1	6.6	5.3	4.6	3.7	3.4
Winter	155	115	65	37	21	18	16	13	12	9.6	8.3	7.7	7.0	5.4	4.4	3.6	3.3

ARTHUR KILL BASIN

01393000 Elizabeth River at Irvington, NJ

Location: Latitude 40° 44' 10", Longitude 74° 13' 45", Essex County, Hydrologic Unit 02030104, on right bank 140 ft downstream from Valley Avenue Bridge in Irvington.

Drainage area: 2.91 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1931-1938

Remarks: This site has a continuous data record for the period 1931-1938.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1931-1938	4.5	3.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1931-1938		
Annual	1	1.8
(Apr.-Mar.)	7	2.0
	30	2.4
Winter	1	1.9
(Nov.-Apr.)	7	2.1
	30	2.6

ARTHUR KILL BASIN

01393200 Elizabeth River below Chancellor Avenue Bridge at Irvington, NJ

Location: Latitude 40° 42' 56", Longitude 74° 14' 28", Essex County, Hydrologic Unit 02030104, on right bank 350 ft downstream from Chancellor Avenue bridge in Irvington, 2.2 mi upstream from West Branch.

Drainage area: 5.14 mi²

Station type: Low-flow partial-record station

Period of record: 1954-1965

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01390500, 01393450, and 01394500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1954-1965	7.8	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1954-1965		
Annual	1	1.6
(Apr.-Mar.)	7	2.0
	30	2.6
Winter	1	1.9
(Nov.-Apr.)	7	2.3
	30	3.1

ARTHUR KILL BASIN

01393350 West Branch Elizabeth River near Union, NJ

Location: Latitude 40° 41' 32", Longitude 74° 14' 37", Union County, Hydrologic Unit 02030104, at bridge on Vauxhall Road, 0.3 mi upstream of mouth, 1.4 mi east of Union, and 2.3 mi northwest of Elizabeth.

Drainage area: 2.53 mi²

Station type: Low-flow partial-record station

Period of record: 1989-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01391500, and 01394500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-1997	15	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-1997		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

ARTHUR KILL BASIN

01393450 Elizabeth River at Ursino Lake at Elizabeth, NJ

Location: Latitude 40° 40' 30", Longitude 74° 13' 19", Union County, Hydrologic Unit 02030104, on left bank at Ursino Lake Dam in Elizabeth, 75 ft upstream from bridge on Trotters Lane and 3.8 mi upstream from mouth.

Drainage area: 16.9 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Remarks: Regulation since 1951 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-1951	22	0.0	1,000	6.4
1952-2001	28	1.7	1,900	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-1951		**2**	**5**	**10**	**20**
Annual	1	0.8	0.1	0.0	0.0
(Apr.-Mar.)	7	3.5	0.8	0.4	0.0
	30	6.6	4.0	3.0	2.2
Winter	1	2.1	0.7	0.4	0.2
(Nov.-Apr.)	7	5.2	3.1	2.2	1.6
	30	8.9	5.9	4.6	3.7
1953-2001		**2**	**5**	**10**	**20**
Annual	1	4.7	0.1	3.1	2.7
(Apr.-Mar.)	7	6.0	5.0	4.5	4.1
	30	9.0	7.2	6.4	5.9
Winter	1	5.5	4.2	3.5	3.0
(Nov.-Apr.)	7	6.8	5.5	4.9	4.5
	30	11	7.2	7.6	5.9

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-1951		**2**	**5**	**10**	**25**
Annual	1	370	543	674	861
(Oct.-Sept.)	7	111	162	202	257
	30	52	71	83	98
Winter	1	274	377	446	532
(Nov.-Apr.)	7	84	109	126	148
	30	42	54	61	70
1952-2001		**2**	**5**	**10**	**25**
Annual	1	570	543	1,160	1,570
(Oct.-Sept.)	7	151	224	280	360
	30	64	90	108	133
Winter	1	398	604	755	961
(Nov.-Apr.)	7	106	224	184	226
	30	51	90	82	98

ARTHUR KILL BASIN

01393450 Elizabeth River at Ursino Lake at Elizabeth, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-1951																	
Annual	220	154	83	48	25	21	18	14	11	9.0	7.4	6.7	5.8	3.9	2.3	0.9	0.5
Winter	199	147	85	49	26	22	19	15	13	11	8.8	8.0	7.1	5.0	3.7	2.4	1.6
1952-2001																	
Annual	301	206	108	56	27	22	18	15	12	11	9.1	8.5	7.8	6.5	5.4	4.7	4.4
Winter	284	197	112	58	29	23	19	15	13	12	9.8	9.1	8.4	6.9	5.9	4.9	4.5

ARTHUR KILL BASIN

01393800 East Fork East Branch Rahway River at West Orange, NJ

Location: Latitude 40° 46' 10", Longitude 74° 14' 36", Essex County, Hydrologic Unit 02030104, on left bank 75 ft downstream from central avenue, on property of Monroe Sweda Corporation, and on boundary between Orange and West Orange.

Drainage area: 0.83 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1972-1974

Remarks: This site has a continuous data record for the period 1972-1975.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1972-1974	1.3	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1972-1974		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

ARTHUR KILL BASIN

01393890 East Branch Rahway River at Maplewood, NJ

Location: Latitude 40° 44' 06", Longitude 74° 16' 13", Essex County, Hydrologic Unit 02030104, on bridge on Jefferson Avenue in Maplewood, 1,100 ft west of Fielding School, and 2.5 mi upstream of confluence of West Branch River a East Branch Rahway River.

Drainage area: 5.11 mi²

Station type: Low-flow partial-record station

Period of record: 1999-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01391500, and 01394500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1999-2002	7.2	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1999-2002		
Annual	1	0.9
(Apr.-Mar.)	7	1.0
	30	1.3
Winter	1	1.3
(Nov.-Apr.)	7	1.6
	30	2.2

ARTHUR KILL BASIN

01394000 West Branch Rahway River at Millburn, NJ

Location: Latitude 40° 43' 54", Longitude 74° 18' 27", Essex County, Hydrologic Unit 02030104, on left bank 100 ft upstream from Diamond Mill Pond Dam, 1,000 ft upstream from Glen Avenue in Millburn, and 1.9 mi upstream from confluence with East Branch.

Drainage area: 7.1 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1940-2002

Remarks: This site has a continuous data record for the period 1940-1950.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1940-2002	6.0	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1940-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.6

ARTHUR KILL BASIN

01394400 Van Winkle Brook at Springfield, NJ

Location: Latitude 40° 42' 12", Longitude 74° 18' 49", Union County, Hydrologic Unit 02030104, at railroad bridge in Springfield, 0.4 mi upstream from bridge on Mountain Avenue, and 2.3 mi west of Union.

Drainage area: 4.85 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01391500, and 01394500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2001	2.9	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2001		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.4

ARTHUR KILL BASIN

01394500 Rahway River near Springfield, NJ

Location: Latitude 40° 41' 15", Longitude 74° 18' 42", Union County, Hydrologic Unit 02030104, on left bank 50 ft downstream from bridge on eastbound U.S. Highway 22, 100 ft downstream from Pope Brook, and 1.5 mi south of Springfield.

Drainage area: 25.5 mi²

Station type: Continuous-record gaging station

Period of record: 1939-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1939-2001	30	0.4	2,270	7.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1940-2001		**2**	**5**	**10**	**20**
Annual	1	2.6	1.4	1.0	0.7
(Apr.-Mar.)	7	3.2	1.8	1.3	1.0
	30	5.5	3.5	2.7	2.1
Winter	1	3.8	2.1	1.4	1.0
(Nov.-Apr.)	7	4.9	2.9	2.1	1.6
	30	9.3	5.5	4.0	3.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1939-2001		**2**	**5**	**10**	**25**
Annual	1	651	982	1,240	1,610
(Oct.-Sept.)	7	198	280	335	405
	30	83	116	135	157
Winter	1	504	740	909	1,140
(Nov.-Apr.)	7	156	220	258	301
	30	70	99	118	140

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1939-2001																	
Annual	378	243	118	62	31	25	20	15	11	8.8	6.9	6.0	5.2	3.5	2.5	1.7	1.3
Winter	408	276	144	74	38	31	26	19	15	12	9.1	7.9	6.8	4.7	3.3	2.2	1.6

ARTHUR KILL BASIN

01394600 Nomahegan Brook near Mountainside, NJ

Location: Latitude 40° 40' 42", Longitude 74° 19' 53", Union County, Hydrologic Unit 02030104, at bridge on Springfield Avenue, 0.2 mi downstream from Echo Lake, 1.1 mi upstream from mouth, and 1.4 mi northeast of Mountainside.

Drainage area: 3.76 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01391500, and 01394500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	5.8	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.0

ARTHUR KILL BASIN

01395000 Rahway River at Rahway, NJ

Location: Latitude 40° 37' 08", Longitude 74° 17' 00", Union County, Hydrologic Unit 02030104, on left bank, 100 ft upstream from bridge on St. Georges Avenue in Rahway, and 0.9 mi upstream from Robinsons Branch.

Drainage area: 40.9 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	49	0.0	3,670	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	2.6	0.3	0.7	0.0
(Apr.-Mar.)	7	2.8	0.6	0.2	0.1
	30	7.5	3.0	1.6	0.9
Winter	1	3.3	0.9	0.3	0.0
(Nov.-Apr.)	7	7.9	2.5	1.0	0.4
	30	16	8.1	5.1	3.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	942	1,510	1,980	2,690
(Oct.-Sept.)	7	322	470	580	731
	30	138	192	227	270
Winter	1	693	1,060	1,360	1,790
(Nov.-Apr.)	7	252	361	435	528
	30	115	165	197	238

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	554	381	197	102	51	42	34	25	19	15	11	8.8	7.0	3.5	1.4	0.5	0.2
Winter	610	432	235	127	65	52	44	33	26	21	16	14	11	6.6	4.1	1.6	0.5

ARTHUR KILL BASIN

01395500 Robinsons Branch at Goodmans, NJ

Location: Latitude 40° 36' 55", Longitude 74° 20' 20", Union County, Hydrologic Unit 02030104, on right bank 200 ft upstream from Lake Avenue Bridge at Lehigh Valley Railroad station, 2.8 mi upstream from Middlesex Reservoir Dam, and 5.0 mi upstream from mouth.

Drainage area: 12.7 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1921-1924

Remarks: This site has a continuous data record for the period 1921-1924.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1921-1924	7.9	3.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1921-1924		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.1
Winter	1	1.1
(Nov.-Apr.)	7	1.4
	30	2.0

ARTHUR KILL BASIN

01396000 Robinsons Branch at Rahway, NJ

Location: Latitude 40° 36' 20", Longitude 74° 17' 56", Union County, Hydrologic Unit 02030104, on right bank of Milton Lake, 0.4 mi upstream from Maple Avenue at Milton Lake in Rahway, 0.6 mi downstream from Middlesex Reservoi Dam, and 1.6 mi upstream from mouth.

Drainage area: 21.6 mi²

Station type: Continuous-record gaging station

Period of record: 1940-1999

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-1999	26	0.0	1,240	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-1999		**2**	**5**	**10**	**20**
Annual	1	0.2	0.0	0.0	0.0
(Apr.-Mar.)	7	0.4	0.1	0.0	0.0
	30	1.6	0.3	0.1	0.0
Winter	1	1.2	0.2	0.0	1.2
(Nov.-Apr.)	7	2.2	0.8	0.4	0.2
	30	6.8	2.6	1.5	0.8

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-1999		**2**	**5**	**10**	**25**
Annual	1	570	774	906	1,070
(Oct.-Sept.)	7	195	263	304	353
	30	80	108	124	142
Winter	1	451	623	733	869
(Nov.-Apr.)	7	162	220	254	292
	30	68	97	114	136

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1940-1999																	
Annual	339	241	122	60	27	21	17	12	7.8	5.3	3.2	2.4	1.8	0.8	0.4	0.2	0.1
Winter	374	284	156	79	37	29	24	17	13	9.5	6.9	5.7	4.5	2.1	1.1	0.4	0.1

ARTHUR KILL BASIN

01396030 South Branch Rahway River at Colonia, NJ

Location: Latitude 40° 34' 57", Longitude 74° 18' 03", Middlesex County, Hydrologic Unit 02030104, at bridge on Dover Roac in Colonia, 0.7 mi northeast of Iselin, and 3.5 mi northeast of Metuchen.

Drainage area: 9.31 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01391500, and 01394500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1986	4.8	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1986		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.0
Winter	1	0.9
(Nov.-Apr.)	7	1.0
	30	1.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01396070 South Branch Raritan River tributary 6 at Budd Lake, NJ

Location: Latitude 40° 52' 20", Longitude 74° 44' 17", Morris County, Hydrologic Unit 02030105, at bridge on Shore Road at Budd Lake, 300 ft upstream from mouth 0.6 mi north of community of Budd Lake, and 2.2 mi south of Netcong.

Drainage area: 0.7 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01396500, 01399500, and 01399510. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	2.0	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01396080 South Branch Raritan River tributary 7 at Budd Lake, NJ

Location: Latitude 40° 52' 06", Longitude 74° 44' 21", Morris County, Hydrologic Unit 02030105, at Budd Lake, 300 ft upstream from mouth, 0.3 mi north of community of Budd Lake, and 1.2 mi north of Mount Olive.

Drainage area: 0.21 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01396500, 01399500, 01399510, and 01445500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	0.3	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01396090 South Branch Raritan River at outlet of Budd Lake, NJ

Location: Latitude 40° 51' 38", Longitude 74° 45' 37", Morris County, Hydrologic Unit 02030105, at bridge on Smithtown Road, 200 ft northwest of US Highway 46, 0.5 mi downstream from Budd Lake Dam, and 3.5 mi east of Hackettstown.

Drainage area: 5.03 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01399500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1982	9.9	3.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1982		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01396120 South Branch Raritan River at Bartley, NJ

Location: Latitude 40° 49' 51", Longitude 74° 43' 29", Morris County, Hydrologic Unit 02030105, at inlet to diversion, to mill pond, .13 miles upstream from steel truss bridge no. 1114 at light-duty road, 0.7 mi northwest of Bartley and 3.2 mi southeast of Budd Lake.

Drainage area: 12.5 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01396500, 01399500, 01399510, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1990	22	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1990		
Annual	1	2.2
(Apr.-Mar.)	7	2.5
	30	3.0
Winter	1	3.9
(Nov.-Apr.)	7	4.4
	30	6.2

NORTH AND SOUTH BRANCH RARITAN BASIN

01396180 Drakes Brook at Bartley, NJ

Location: Latitude 40° 48' 43", Longitude 74° 43' 44", Morris County, Hydrologic Unit 02030105, at bridge on Bartley Road, 0.25 mi upstream from mouth, 0.9 mi southwest of Bartley and 2.5 mi of Chester.

Drainage area: 16.6 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01396500, 01398500, 01399500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	24	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	3.5
(Apr.-Mar.)	7	3.8
	30	4.5
Winter	1	5.2
(Nov.-Apr.)	7	6.1
	30	8.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01396190 South Branch Raritan River at Four Bridges, NJ

Location: Latitude 40° 48' 21", Longitude 74° 44' 27", Morris County, Hydrologic Unit 02030105, on right bank, just downstream of bridge on Elizabeth Avenue, 0.3 mi southwest of Four Bridges, 0.6 mi downstream of Drakes Brook, 0.7 mi northwest of Naughtright, and 2.7 mi northwest of Chester.

Drainage area: 31 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1998-2003

Remarks: This site has a continuous data record for the period 1999-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	46	22

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	4.4
(Apr.-Mar.)	7	5.0
	30	6.2
Winter	1	7.3
(Nov.-Apr.)	7	8.7
	30	12

NORTH AND SOUTH BRANCH RARITAN BASIN

01396220 Stony Brook at Naughright, NJ

Location: Latitude 40° 48' 11", Longitude 74° 45' 06", Morris County, Hydrologic Unit 02030105, at bridge on Naughtright Road at Fairview Avenue, 0.6 mi northwest of Naughtright, 0.7 mi upstream from mouth, and 1.9 mi northeast of Long Valley.

Drainage area: 3.34 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, 01399500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1997	4.8	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1997		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.0

NORTH AND SOUTH BRANCH RARITAN BASIN

01396240 Electric Brook at Long Valley, NJ

Location: Latitude 40° 47' 23", Longitude 74° 46' 35", Morris County, Hydrologic Unit 02030105, at bridge on Fairview Avenue at Long Valley, 0.3 mi upstream from mouth, and 0.8 mi downstream from Camp Washington Pond.

Drainage area: 3.17 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	4.8	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.7

NORTH AND SOUTH BRANCH RARITAN BASIN

01396280 South Branch Raritan River at Middle Valley, NJ

Location: Latitude 40° 45' 40", Longitude 74° 49' 17", Morris County, Hydrologic Unit 02030105, at bridge in Middle Valley, 6.9 mi downstream from Drakes Brook.

Drainage area: 47.7 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1999	82	47

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1999		
Annual	1	12
(Apr.-Mar.)	7	13
	30	15
Winter	1	18
(Nov.-Apr.)	7	20
	30	27

NORTH AND SOUTH BRANCH RARITAN BASIN

01396350 South Branch Raritan River at Califon, NJ

Location: Latitude 40° 43' 14", Longitude 74° 50' 15", Morris County, Hydrologic Unit 02030105, 0.3 mi west of Califon, 0.3 mi downstream of bridge on Main Street Califon, and 1.2 mi upstream of Little Brook.

Drainage area: 58.5 mi²

Station type: Low-flow partial-record station

Period of record: 1975-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-2002	98	52

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-2002		
Annual	1	14
(Apr.-Mar.)	7	15
	30	17
Winter	1	19
(Nov.-Apr.)	7	22
	30	29

NORTH AND SOUTH BRANCH RARITAN BASIN

01396500 South Branch Raritan River near High Bridge, NJ

Location: Latitude 40° 40' 40", Longitude 74° 52' 45", Hunterdon County, Hydrologic Unit 02030105, on left bank 1.0 mi northeast of High Bridge, and 4.4 mi upstream from Spruce Run.

Drainage area: 65.3 mi²

Station type: Continuous-record gaging station

Period of record: 1919-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1919-2001	123	13	3,340	70

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1920-2001		**2**	**5**	**10**	**20**
Annual	1	31	24	20	18
(Apr.-Mar.)	7	33	26	22	19
	30	38	29	25	22
Winter	1	43	32	27	23
(Nov.-Apr.)	7	50	35	29	25
	30	70	48	39	32

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1919-2001		**2**	**5**	**10**	**25**
Annual	1	1,070	1,540	1,890	2,360
(Oct.-Sept.)	7	473	641	752	891
	30	278	362	415	479
Winter	1	905	--	1,720	2,250
(Nov.-Apr.)	7	408	578	703	876
	30	259	347	406	481

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1919-2001																	
Annual	676	513	338	242	169	149	133	107	87	71	58	52	46	36	29	24	22
Winter	732	574	397	283	205	183	166	140	118	100	83	75	68	51	40	32	28

NORTH AND SOUTH BRANCH RARITAN BASIN

01396535 South Branch Raritan River at Arch Street at High Bridge, NJ

Location: Latitude 40° 39' 49", Longitude 74° 53' 51", Hunterdon County, Hydrologic Unit 02030105, at bridge on Arch Street in High Bridge, 0.9 mi northeast of Marianners Corner, 1.0 mi downstream from Lake Solitude dam, and 4.3 mi northeast of Norton.

Drainage area: 68.8 mi²

Station type: Low-flow partial-record station

Period of record: 1978-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01396500, 01399500, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1978-1999	125	67

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1978-1999		
Annual	1	17
(Apr.-Mar.)	7	19
	30	21
Winter	1	24
(Nov.-Apr.)	7	27
	30	36

NORTH AND SOUTH BRANCH RARITAN BASIN

01396550 Spruce Run at Newport, NJ

Location: Latitude 40° 43' 29", Longitude 74° 54' 33", Hunterdon County, Hydrologic Unit 02030105, at bridge on Newport Road in Newport, 1.2 mi northwest of Woodglen, and 6.4 mi upstream from Spruce Run Reservoir.

Drainage area: 5.67 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01396500, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	9.8	4.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.6
(Apr.-Mar.)	7	0.8
	30	1.0
Winter	1	1.4
(Nov.-Apr.)	7	1.6
	30	2.5

NORTH AND SOUTH BRANCH RARITAN BASIN

01396580 Spruce Run at Glen Gardner, NJ

Location: Latitude 40° 41' 35", Longitude 74° 56' 24", Hunterdon County, Hydrologic Unit 02030105, on right downstream wing wall of bridge on Sanatorium Road in Glen Gardner, 0.8 mi downstream from Alpaugh Brook, and 2.0 mi upstream from Spruce Run Reservoir.

Drainage area: 11.3 mi²

Station type: Continuous-record gaging station

Period of record: 1978-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1978-2001	20	1.0	650	7.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**20**
Annual	1	2.5	1.6	1.3	1.0
(Apr.-Mar.)	7	2.8	1.8	1.5	1.2
	30	3.7	2.5	2.0	1.6
Winter	1	4.4	3.4	3.1	2.9
(Nov.-Apr.)	7	5.3	3.9	3.4	3.0
	30	9.8	6.5	5.1	4.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1978-2001		**2**	**5**	**10**	**25**
Annual	1	340	492	591	713
(Oct.-Sept.)	7	105	147	175	210
	30	54	77	92	111
Winter	1	285	423	514	628
(Nov.-Apr.)	7	91	137	172	221
	30	52	76	92	114

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1978-2001																	
Annual	169	115	65	42	26	22	19	15	12	8.7	6.6	5.8	5.0	3.6	2.8	2.0	1.7
Winter	201	146	85	56	36	31	27	22	18	15	12	10	8.9	6.0	4.7	3.8	3.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01396588 Spruce Run near Glen Gardner, NJ

Location: Latitude 40° 40' 41", Longitude 74° 55' 05", Hunterdon County, Hydrologic Unit 02030105, at site 800 ft downstream from Rocky Run,0.3 mi above Van Syckel Road bridge, 1.5 mi northwest of High Bridge, and 1.6 mi southeast of Glen Gardner.

Drainage area: 15.3 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01396580, 01396660, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2003	25	9.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2003		
Annual	1	1.8
(Apr.-Mar.)	7	1.9
	30	2.3
Winter	1	3.3
(Nov.-Apr.)	7	3.7
	30	5.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01396590 Spruce Run near High Bridge, NJ

Location: Latitude 40° 40' 26", Longitude 74° 55' 03", Hunterdon County, Hydrologic Unit 02030105, at bridge on Van Syckel Corner Road, at inlet to Spruce Run Reservoir, and 1.3 mi northwest of High Bridge.

Drainage area: 15.5 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	21	10

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	2.4
(Apr.-Mar.)	7	2.6
	30	3.0
Winter	1	3.4
(Nov.-Apr.)	7	3.9
	30	5.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01396600 Spruce Run near Clinton, NJ

Location: Latitude 40° 40' 15", Longitude 74° 55' 03", Hunterdon County, Hydrologic Unit 02030105, at bridge, 600 ft west of State Route 69, 2.4 mi above Mulhockaway Creek, and 2.5 mi north of Clinton.

Drainage area: 18.1 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1987

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1987	27	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1987		
Annual	1	2.0
(Apr.-Mar.)	7	2.3
	30	2.8
Winter	1	3.2
(Nov.-Apr.)	7	3.9
	30	5.7

NORTH AND SOUTH BRANCH RARITAN BASIN

01396660 Mulhockaway Creek at Van Syckel, NJ

Location: Latitude 40° 38' 51", Longitude 74° 58' 08", Hunterdon County, Hydrologic Unit 02030105, on left bank downstrean side of bridge on Jutland Road, 0.2 mi south of Van Syckel, 0.8 mi north of Perryville, and 0.3 mi upstream from Spruce Run Reservoir.

Drainage area: 11.8 mi²

Station type: Continuous-record gaging station

Period of record: 1977-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1977-2001	20	1.1	918	8.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1978-2001		**2**	**5**	**10**	**20**
Annual	1	3.2	2.2	1.8	1.4
(Apr.-Mar.)	7	3.5	2.4	1.9	1.5
	30	4.4	2.9	2.3	1.8
Winter	1	5.1	3.9	3.5	3.2
(Nov.-Apr.)	7	6.2	4.6	4.0	3.5
	30	10	7.0	5.7	4.8

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1977-2001		**2**	**5**	**10**	**25**
Annual	1	307	495	635	828
(Oct.-Sept.)	7	95	139	171	215
	30	48	69	84	104
Winter	1	240	402	525	697
(Nov.-Apr.)	7	76	123	161	217
	30	44	66	82	104

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1977-2001																	
Annual	147	106	61	38	25	22	19	15	12	9.6	7.4	6.5	5.7	4.3	3.5	2.6	2.0
Winter	160	121	75	48	31	27	24	20	17	15	12	11	9.2	6.7	5.4	4.1	3.7

NORTH AND SOUTH BRANCH RARITAN BASIN

01396670 Mulhockaway Creek tributary at Van Syckel, NJ

Location: Latitude 40° 39' 05", Longitude 74° 58' 12", Hunterdon County, Hydrologic Unit 02030105, at bridge on Van Syckel Corner Road at Van Syckel, 0.4 mi upstream from mouth, and 3.3 mi west of Clinton.

Drainage area: 2.76 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	3.7	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.5
Winter	1	0.6
(Nov.-Apr.)	7	0.7
	30	0.9

NORTH AND SOUTH BRANCH RARITAN BASIN

01396700 Mulhockaway Creek near Clinton, NJ

Location: Latitude 40° 38' 58", Longitude 74° 55' 40", Hunterdon County, Hydrologic Unit 02030105, at bridge on County Road 0.7 mi above mouth and 1.3 mi northwest of Clinton.

Drainage area: 20.5 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01399500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	26	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	2.7
(Apr.-Mar.)	7	3.0
	30	3.6
Winter	1	4.1
(Nov.-Apr.)	7	4.7
	30	6.6

NORTH AND SOUTH BRANCH RARITAN BASIN

01396800 Spruce Run at Clinton, NJ

Location: Latitude 40° 38' 21", Longitude 74° 54' 57", Hunterdon County, Hydrologic Unit 02030105, 1,800 ft downstream from dam at Spruce Run Reservoir, 0.2 mi north of Clinton, 0.3 mi upstream from mouth, and 2.2 mi southwest of High Bridge.

Drainage area: 41.3 mi²

Station type: Continuous-record gaging station

Period of record: 1964-2001

Remarks: Regulation since 1963 reduces flood peaks and augments low flow. Pre-regulation period (of only three years) is not included in statistical summary.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1964-2001	67	0.0	2,060	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1965-2001		**2**	**5**	**10**	**20**
Annual	1	5.0	1.9	0.8	0.4
(Apr.-Mar.)	7	7.4	5.0	2.6	1.5
	30	8.0	6.8	5.5	2.0
Winter	1	5.3	2.7	1.7	0.9
(Nov.-Apr.)	7	7.1	4.9	3.7	1.9
	30	8.0	5.0	5.5	2.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1964-2001		**2**	**5**	**10**	**25**
Annual	1	587	1,090	1,440	1,890
(Oct.-Sept.)	7	303	454	543	643
	30	186	250	278	302
Winter	1	523	1,000	1,200	1,340
(Nov.-Apr.)	7	290	454	413	418
	30	175	250	217	218

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1964-2001																	
Annual	366	302	210	160	111	96	82	61	44	26	13	10	8.6	7.0	5.3	1.9	0.6
Winter	467	357	206	161	122	101	84	59	46	39	33	30	28	23	17	12	11

NORTH AND SOUTH BRANCH RARITAN BASIN

01396865 Sidney Brook at Grandin, NJ

Location: Latitude 40° 37' 07", Longitude 74° 55' 58", Hunterdon County, Hydrologic Unit 02030105, at bridge on County Route 513 (Grandin Road) in Grandin, 1.3 mi upstream of mouth, 1.8 mi southwest of Clinton, and 2.7 mi northeast of Pittstown.

Drainage area: 4.71 mi²

Station type: Low-flow partial-record station

Period of record: 1996-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01396580, and 01396660. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1996-2002	7.2	3.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1996-2002		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.2
(Nov.-Apr.)	7	1.3
	30	1.9

NORTH AND SOUTH BRANCH RARITAN BASIN

01396900 Capoolong Creek at Lansdowne, NJ

Location: Latitude 40° 36' 28", Longitude 74° 54' 57", Hunterdon County, Hydrologic Unit 02030105, at bridge on Lower Lansdown Road, 0.4 mi upstream from mouth, 0.5 mi west of Lansdowne, and 2.1 mi south of Clinton.

Drainage area: 14.1 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01399500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	18	8.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	1.6
(Apr.-Mar.)	7	1.8
	30	2.1
Winter	1	2.5
(Nov.-Apr.)	7	3.0
	30	4.2

NORTH AND SOUTH BRANCH RARITAN BASIN

01397000 South Branch Raritan River at Stanton, NJ

Location: Latitude 40° 34' 21", Longitude 74° 52' 04", Hunterdon County, Hydrologic Unit 02030105, on right bank at downstream side of bridge on Stanton Road at Stanton Station, 0.4 mi upstream from Prescott Brook, and 1.4 mi we of Stanton.

Drainage area: 147 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Remarks: Regulation since 1963 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-1963	239	20	8,060	120
1964-2001	258	12	6,880	148

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-1963		**2**	**5**	**10**	**20**
Annual	1	42	31	27	24
(Apr.-Mar.)	7	50	38	33	30
	30	61	46	39	35
Winter	1	73	47	37	30
(Nov.-Apr.)	7	86	58	47	39
	30	128	83	66	54
1965-2001		**2**	**5**	**10**	**20**
Annual	1	66	31	35	30
(Apr.-Mar.)	7	79	58	48	35
	30	111	70	55	43
Winter	1	76	52	42	35
(Nov.-Apr.)	7	93	66	53	43
	30	127	71	66	49

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-1963		**2**	**5**	**10**	**25**
Annual	1	2,440	3,570	4,420	5,590
(Oct.-Sept.)	7	1,040	1,410	1,650	1,940
	30	579	738	832	941
Winter	1	2,090	2,960	3,580	4,430
(Nov.-Apr.)	7	895	1,180	1,360	1,580
	30	541	697	796	916
1964-2001		**2**	**5**	**10**	**25**
Annual	1	2,520	3,570	4,590	5,520
(Oct.-Sept.)	7	1,080	1,610	1,920	2,270
	30	589	863	1,030	1,210
Winter	1	1,950	3,230	4,210	5,570
(Nov.-Apr.)	7	856	1,610	1,800	2,320
	30	514	863	992	1,220

01397000 South Branch Raritan River at Stanton, NJ--Continued

Period of record	Duration of daily flow: Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-1963																	
Annual	1,470	1,060	712	495	333	289	252	204	163	130	102	89	78	57	45	37	32
Winter	1,590	1,220	838	594	417	364	328	271	229	195	160	145	126	91	68	52	46
1964-2001																	
Annual	1,520	1,100	740	507	341	297	257	213	175	152	129	117	105	79	63	48	42
Winter	1,640	1,250	854	590	406	354	315	259	211	171	138	125	112	79	64	53	48

NORTH AND SOUTH BRANCH RARITAN BASIN

01397100 Prescott Brook at Round Valley, NJ

Location: Latitude 40° 36' 28", Longitude 74° 50' 53", Hunterdon County, Hydrologic Unit 02030105, at bridge at McPherson, on County Road 2.3 mi north of Stanton, and 3.4 mi upstream from mouth.

Drainage area: 4.61 mi²

Station type: Low-flow partial-record station

Period of record: 1957-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-1963	5.8	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-1963		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.8
(Nov.-Apr.)	7	0.9
	30	1.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01397290 Assiscong Creek at Bartles Corners, NJ

Location: Latitude 40° 32' 23", Longitude 74° 50' 51", Hunterdon County, Hydrologic Unit 02030105, at bridge on River Road 0.3 mi upstream from mouth, 1.5 mi north of Flemington, and 2.8 mi west of Three Bridges.

Drainage area: 2.98 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399510, and 01401000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1989	9.8	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1989		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01397500 Walnut Brook near Flemington, NJ

Location: Latitude 40° 30' 55", Longitude 74° 52' 51", Hunterdon County, Hydrologic Unit 02030105, 1.2 mi northwest of Flemington, and 2.3 mi upstream from mouth.

Drainage area: 2.24 mi²

Station type: Continuous-record gaging station

Period of record: 1936-1961

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1936-1961	3.2	0.0	92	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1937-1961		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.0	0.0	0.0	0.0
	30	0.1	0.0	0.0	0.0
Winter	1	0.2	0.1	0.0	0.0
(Nov.-Apr.)	7	0.4	0.1	0.1	0.0
	30	0.9	0.3	0.1	0.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1936-1961		**2**	**5**	**10**	**25**
Annual	1	59	76	85	96
(Oct.-Sept.)	7	21	27	29	32
	30	10	12	14	15
Winter	1	50	66	78	93
(Nov.-Apr.)	7	19	24	27	31
	30	9.8	12	14	16

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1936-1961																	
Annual	36	25	13	7.5	4.2	3.4	2.8	1.8	1.2	0.9	0.6	0.5	0.4	0.2	0.1	0.0	0.0
Winter	41	32	19	11	6.5	5.4	4.6	3.5	2.7	2.0	1.5	1.3	1.0	0.4	0.1	0.0	0.0

NORTH AND SOUTH BRANCH RARITAN BASIN

01397800 Neshanic River near Flemington, NJ

Location: Latitude 40° 28' 46", Longitude 74° 51' 28", Hunterdon County, Hydrologic Unit 02030105, at bridge on Kuhl Road, 200 ft downstream from confluence of First Neshanic River and Second Neshanic River, 1.4 mi south of Flemington and 2.1 mi west of Reaville.

Drainage area: 11.4 mi^2

Station type: Low-flow partial-record station

Period of record: 1981-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399510, and 01401000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1989	70	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1989		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.1
	30	0.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01397900 Third Neshanic River near Ringoes, NJ

Location: Latitude 40° 27' 31", Longitude 74° 52' 04", Hunterdon County, Hydrologic Unit 02030105, at bridge on Eitts Road, 2.0 mi upstream from mouth, 2.1 mi north of Ringoes, and 3.0 mi southwest of Reaville.

Drainage area: 9.24 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399510, and 01401000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1989	20	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1989		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.5
(Nov.-Apr.)	7	0.7
	30	1.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01398000 Neshanic River at Reaville, NJ

Location: Latitude 40° 28' 18", Longitude 74° 49' 41", Hunterdon County, Hydrologic Unit 02030105, on left bank 50 ft downstream from bridge on Everitts Road, 0.6 mi southwest of Reaville, 1.5 mi downstream from Third Neshanic River, and 2.2 mi upstream from Back Brook.

Drainage area: 25.7 mi²

Station type: Continuous-record gaging station

Period of record: 1931-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1931-2001	38	0.0	7,000	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1932-2001		**2**	**5**	**10**	**20**
Annual	1	0.8	0.3	0.1	0.0
(Apr.-Mar.)	7	1.0	0.4	0.2	0.1
	30	1.7	0.9	0.4	0.3
Winter	1	2.8	1.2	0.8	0.5
(Nov.-Apr.)	7	4.1	1.8	1.1	0.7
	30	10.0	4.1	2.4	1.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1931-2001		**2**	**5**	**10**	**25**
Annual	1	973	1,650	2,000	3,500
(Oct.-Sept.)	7	280	431	555	743
	30	123	171	204	246
Winter	1	800	1,250	1,600	2,120
(Nov.-Apr.)	7	235	346	436	570
	30	114	157	187	225

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1931-2001																	
Annual	471	291	138	79	43	35	28	19	13	8.0	4.7	3.5	2.6	1.4	0.8	0.3	0.2
Winter	560	389	200	113	64	52	46	34	26	20	15	13	10	5.2	2.4	1.3	0.9

NORTH AND SOUTH BRANCH RARITAN BASIN

01398045 Back Brook tributary near Ringoes, NJ

Location: Latitude 40° 25' 41", Longitude 74° 49' 51", Hunterdon County, Hydrologic Unit 02030105, at right upstream wing wall of bridge on Wertsville Road, 2.1 mi east of Ringoes, 1.3 mi upstream from Back Brook, and 2.3 mi southwest Wertsville.

Drainage area: 1.98 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1977-1998

Remarks: This site has a continuous data record for the period 1977-1988.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1998	1.9	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1998		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01398052 Back Brook near Reaville, NJ

Location: Latitude 40° 27' 32", Longitude 74° 49' 23", Hunterdon County, Hydrologic Unit 02030105, at bridge on Manners Road, 0.6 mi upstream from mouth, 0.8 mi northwest of Wertsville, and 1.5 mi southeast of Reaville.

Drainage area: 11.4 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399510, and 01401000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1989	53	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1989		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.6

NORTH AND SOUTH BRANCH RARITAN BASIN

01398075 Pleasant Run at Centerville, NJ

Location: Latitude 40° 32' 17", Longitude 74° 45' 16", Hunterdon County, Hydrologic Unit 02030105, at bridge on Old York Road in Centerville, 2.4 mi northwest of Neshanic Station, 2.5 mi upstream from mouth, and 2.7 mi northwest of Three Bridges.

Drainage area: 8.11 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399510, and 01401000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1989	22	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1989		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.9

NORTH AND SOUTH BRANCH RARITAN BASIN

01398102 South Branch Raritan River at South Branch, NJ

Location: Latitude 40° 32' 48", Longitude 74° 41' 47", Somerset County, Hydrologic Unit 02030105, at bridge on Studdiford Drive at South Branch, 0.8 mi upstream from mouth, and 2.7 mi southeast of Readington.

Drainage area: 265 mi²

Station type: Low-flow partial-record station

Period of record: 1975-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01397000, 01398000, and 01400500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-2003	344	181

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-2003		
Annual	1	48
(Apr.-Mar.)	7	59
	30	70
Winter	1	63
(Nov.-Apr.)	7	74
	30	96

NORTH AND SOUTH BRANCH RARITAN BASIN

01398107 Holland Brook at Readington, NJ

Location: Latitude 40° 33' 30", Longitude 74° 43' 49", Somerset County, Hydrologic Unit 02030105, on right bank 15 ft downstream from bridge on Old York Road, 0.9 mi southeast of Readington, and 2.5 mi upstream from mouth.

Drainage area: 9 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1978-1996

Remarks: This site has a continuous data record for the period 1979-1996.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1978-1996	16	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1978-1996		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.7
(Nov.-Apr.)	7	0.9
	30	1.8

NORTH AND SOUTH BRANCH RARITAN BASIN

01398220 India Brook near Mendham, NJ

Location: Latitude 40° 47' 11", Longitude 74° 37' 15", Morris County, Hydrologic Unit 02030105, at bridge on Mountain Road 0.5 mi above mouth, and 1.3 mi northwest of Mendham.

Drainage area: 4.36 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01398000, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	9.2	2.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	0.6
(Nov.-Apr.)	7	0.9
	30	1.5

NORTH AND SOUTH BRANCH RARITAN BASIN

01398260 North Branch Raritan River near Chester, NJ

Location: Latitude 40° 46' 16", Longitude 74° 37' 33", Morris County, Hydrologic Unit 02030105, at bridge on State Route 24, 0.8 mi upstream of Burnett Brook, and 3.8 mi east of Chester.

Drainage area: 7.57 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396660, 01398500, and 01399510. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2001	13	5.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2001		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.2
Winter	1	1.6
(Nov.-Apr.)	7	2.0
	30	3.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01398300 Dawsons Brook near Ironia, NJ

Location: Latitude 40° 48' 15", Longitude 74° 37' 41", Morris County, Hydrologic Unit 02030105, at bridge on black top road, 0.15 mi above mouth, 1.3 mi south of Ironia, and 2.4 mi northwest of Mendham.

Drainage area: 1.04 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	2.1	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.4
	30	0.6

NORTH AND SOUTH BRANCH RARITAN BASIN

01398360 Burnett Brook near Chester, NJ

Location: Latitude 40° 46' 57", Longitude 74° 38' 42", Morris County, Hydrologic Unit 02030105, at bridge on Old Mill Road, 1.6 mi upstream from mouth, and 2.6 mi east of Chester.

Drainage area: 6.64 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01396500, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	12	6.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	1.4
(Apr.-Mar.)	7	1.6
	30	2.0
Winter	1	2.1
(Nov.-Apr.)	7	2.5
	30	3.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01398500 Nb Raritan River near Far Hills, NJ

Location: Latitude 40° 42' 30", Longitude 74° 38' 10", Somerset County, Hydrologic Unit 02030105, on left bank 75 ft upstream from Ravine Lake Dam, 1.3 mi southeast of Peakpack, 1.6 mi north of Far Hills, and 2.3 mi upstream from Peapack Brook.

Drainage area: 26.2 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	48	0.2	1,770	19

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	8.0	4.2	2.8	2.2
(Apr.-Mar.)	7	8.5	5.2	3.2	2.8
	30	11	6.8	4.8	4.0
Winter	1	17	8.9	5.2	3.0
(Nov.-Apr.)	7	17	10	8.0	6.3
	30	27	13	12	9.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	491	740	929	1,190
(Oct.-Sept.)	7	198	275	325	385
	30	115	154	178	208
Winter	1	414	622	777	990
(Nov.-Apr.)	7	167	236	284	349
	30	106	145	169	199

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	291	213	140	97	66	59	52	42	34	27	20	18	15	10	7.5	5.4	4.4
Winter	340	249	166	118	81	74	66	55	46	39	32	28	25	17	12	8.8	7.5

NORTH AND SOUTH BRANCH RARITAN BASIN

01398700 Peapack Brook at Gladstone, NJ

Location: Latitude 40° 43' 58", Longitude 74° 40' 06", Somerset County, Hydrologic Unit 02030105, at bridge on black top road 0.1 mi upstream from Gladstone Brook, 0.8 mi north of Gladstone.

Drainage area: 4.23 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01396500, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	7.0	2.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.6
(Nov.-Apr.)	7	0.8
	30	1.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01398850 Peapack Brook at Far Hills, NJ

Location: Latitude 40° 41' 28", Longitude 74° 38' 51", Somerset County, Hydrologic Unit 02030105, at bridge on light-duty road 0.1 mi upstream from mouth and 0.7 mi northwest of Far Hills.

Drainage area: 11.7 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1975

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01396500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1975	19	8.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1975		
Annual	1	1.4
(Apr.-Mar.)	7	1.7
	30	2.1
Winter	1	2.4
(Nov.-Apr.)	7	2.9
	30	4.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01398950 Mine Brook at Far Hills, NJ

Location: Latitude 40° 40' 57", Longitude 74° 38' 07", Somerset County, Hydrologic Unit 02030105, at bridge on light-duty road in Far Hills and 0.1 mi above mouth.

Drainage area: 7.78 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	12	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	1.0
(Apr.-Mar.)	7	1.1
	30	1.4
Winter	1	1.7
(Nov.-Apr.)	7	2.1
	30	3.0

NORTH AND SOUTH BRANCH RARITAN BASIN

01399100 Middle Brook at Burnt Mills, NJ

Location: Latitude 40° 38' 50", Longitude 74° 40' 51", Somerset County, Hydrologic Unit 02030105, at bridge on Cutting Whitney Road, 200 ft above mouth, 0.8 mi northeast of Burnt Mills and 2.9 mi southwest of Bedminster.

Drainage area: 6.67 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1975

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01381500, 01396500, 01398500, 01399500, and 01400730. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1975	8.8	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1975		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.5

NORTH AND SOUTH BRANCH RARITAN BASIN

01399120 North Branch Raritan River at Burnt Mills, NJ

Location: Latitude 40° 38' 09", Longitude 74° 40' 55", Somerset County, Hydrologic Unit 02030105, at bridge on Burnt Mills Road in Burnt Mills, 0.1 mi upstream from Lamington River, and 4.0 mi southwest of Far Hills.

Drainage area: 63.8 mi²

Station type: Low-flow partial-record station

Period of record: 1975-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, 01399500, and 01400000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-2001	98	44

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-2001		
Annual	1	7.5
(Apr.-Mar.)	7	8.8
	30	11
Winter	1	13
(Nov.-Apr.)	7	17
	30	25

NORTH AND SOUTH BRANCH RARITAN BASIN

01399190 Lamington (Black) River at Succasunna, NJ

Location: Latitude 40° 51' 03", Longitude 74° 38' 01", Morris County, Hydrologic Unit 02030105, bridge on Righter Road, 0.4 mi upstream from Succasunna Brook, and 0.7 mi south of Succasunna.

Drainage area: 7.37 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1976-2002

Remarks: This site has a continuous data record for the period 1977-1987.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-2002	13	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-2002		
Annual	1	0.8
(Apr.-Mar.)	7	1.0
	30	1.3
Winter	1	1.7
(Nov.-Apr.)	7	2.1
	30	3.2

NORTH AND SOUTH BRANCH RARITAN BASIN

01399194 Succasunna Brook near Succasunna, NJ

Location: Latitude 40° 51' 02", Longitude 74° 38' 24", Morris County, Hydrologic Unit 02030105, on left bank 70 ft downstream of dirt road extension of Midland Road in Succasunna, 0.3 mi upstream from Lamington River, 2.2 mi north of Ironia, and 3.4 mi east of Flanders.

Drainage area: 1.72 mi²

Station type: Low-flow partial-record station

Period of record: 1977-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01396500, 01396660, 01398500, 01399200, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1982	3.2	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1982		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.4

NORTH AND SOUTH BRANCH RARITAN BASIN

01399200 Lamington (Black) River near Ironia, NJ

Location: Latitude 40° 50' 07", Longitude 74° 38' 39", Morris County, Hydrologic Unit 02030105, at bridge on Ironia Road, 1.(mi downstream from Succasunna Brook, and 1.3 mi northwest of Ironia.

Drainage area: 10.9 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-2002

Remarks: This site has a continuous data record for the period 1976-1987.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	18	8.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	1.5
(Apr.-Mar.)	7	1.7
	30	2.2
Winter	1	3.2
(Nov.-Apr.)	7	4.0
	30	5.9

NORTH AND SOUTH BRANCH RARITAN BASIN

01399295 Tanners Brook near Milltown, NJ

Location: Latitude 40° 47' 17", Longitude 74° 43' 32", Morris County, Hydrologic Unit 02030105, at bridge on Tanners Brook Road, 0.2 mi upstream from mouth, 0.6 mi north of Milltown, and 1.5 mi west of Chester.

Drainage area: 2.78 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	5.6	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.6
(Nov.-Apr.)	7	0.7
	30	1.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01399300 Lamington River at Milltown, NJ

Location: Latitude 40° 47' 13", Longitude 74° 43' 12", Morris County, Hydrologic Unit 02030105, at bridge on New Furnace Road, 0.1 mi downstream from Tanners Brook, and 0.6 mi north of Milltown.

Drainage area: 23.2 mi²

Station type: Low-flow partial-record station

Period of record: 1988-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398500, and 01399500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1988-2001	51	21

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1988-2001		
Annual	1	2.4
(Apr.-Mar.)	7	2.8
	30	3.8
Winter	1	5.3
(Nov.-Apr.)	7	6.6
	30	10

NORTH AND SOUTH BRANCH RARITAN BASIN

01399500 Lamington (Black) River near Pottersville, NJ

Location: Latitude 40° 43' 39", Longitude 74° 43' 49", Morris County, Hydrologic Unit 02030105, on right bank 1.1 mi upstream from bridge on County Highway 512, 1.2 mi northwest of Pottersville, and 5.5 mi upstream from Cold Brook.

Drainage area: 32.8 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	56	1.5	905	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	10	6.0	4.3	3.2
(Apr.-Mar.)	7	12	6.8	5.0	3.7
	30	15	8.9	6.7	5.2
Winter	1	19	13	10	8.6
(Nov.-Apr.)	7	22	15	12	10
	30	32	22	17	15

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	295	430	533	679
(Oct.-Sept.)	7	192	267	319	389
	30	123	163	188	218
Winter	1	262	391	494	646
(Nov.-Apr.)	7	171	245	300	377
	30	115	156	183	217

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	245	201	149	115	84	74	66	54	43	35	27	24	21	15	11	7.0	5.4
Winter	266	215	165	131	100	89	82	69	58	49	41	36	32	24	18	14	13

NORTH AND SOUTH BRANCH RARITAN BASIN

01399510 Upper Cold Brook near Pottersville, NJ

Location: Latitude 40° 43' 16", Longitude 74° 45' 08", Hunterdon County, Hydrologic Unit 02030105, on right bank along a private dirt road, 400 ft downstream from the former Pottersville Reservoir, and 1.5 mi west of Pottersville.

Drainage area: 2.18 mi²

Station type: Continuous-record gaging station

Period of record: 1973-1997

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1973-1997	3.9	0.0	125	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1974-1997		**2**	**5**	**10**	**20**
Annual	1	0.7	0.3	0.2	0.1
(Apr.-Mar.)	7	0.8	0.4	0.2	0.2
	30	1.0	0.6	0.4	0.2
Winter	1	1.3	0.7	0.4	0.3
(Nov.-Apr.)	7	1.6	0.8	0.5	0.3
	30	2.6	1.3	0.7	0.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1973-1997		**2**	**5**	**10**	**25**
Annual	1	46	63	74	89
(Oct.-Sept.)	7	17	23	26	28
	30	9.6	13	15	16
Winter	1	42	60	70	80
(Nov.-Apr.)	7	15	21	25	30
	30	8.6	12	15	18

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1973-1997																	
Annual	26	19	12	7.7	5.3	4.5	4.1	3.3	2.7	2.2	1.7	1.5	1.3	0.8	0.4	0.2	0.1
Winter	30	23	15	9.6	6.4	5.7	5.1	4.3	3.6	3.1	2.6	2.4	2.1	1.5	1.0	0.6	0.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01399525 Axle Brook near Pottersville, NJ

Location: Latitude 40° 41' 40", Longitude 74° 43' 04", Somerset County, Hydrologic Unit 02030105, on right upstream wing wall of bridge on Black River Road, 1.3 mi, south of Pottersville, and 0.3 mi upstream from mouth.

Drainage area: 1.22 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1977-2002

Remarks: This site has a continuous data record for the period 1978-1988.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	1.0	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01399540 Cold Brook at Oldwick, NJ

Location: Latitude 40° 40' 30", Longitude 74° 44' 17", Hunterdon County, Hydrologic Unit 02030105, at bridge on light-duty road, 0.8 mi upstream from mouth, 0.6 mi east of Oldwick.

Drainage area: 5.32 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01396500, and 01399500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1967	7.8	4.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1967		
Annual	1	1.3
(Apr.-Mar.)	7	1.4
	30	1.7
Winter	1	1.9
(Nov.-Apr.)	7	2.1
	30	2.8

NORTH AND SOUTH BRANCH RARITAN BASIN

01399570 Rockaway Creek at McCrea Mills, NJ

Location: Latitude 40° 39' 42", Longitude 74° 45' 57", Hunterdon County, Hydrologic Unit 02030105, at bridge on Rockaway Road in McCrea Mills, 1.1 mi southwest of Oldwick, 3.1 mi above South Branch Rockaway Creek, and 4.0 mi northeast of Lebanon.

Drainage area: 17 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01381500, 01396500, and 01398500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	31	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	2.3
(Apr.-Mar.)	7	2.8
	30	3.6
Winter	1	3.7
(Nov.-Apr.)	7	4.8
	30	7.1

NORTH AND SOUTH BRANCH RARITAN BASIN

01399600 South Branch Rockaway Creek tributary at Lebanon, NJ

Location: Latitude 40° 38' 05", Longitude 74° 49' 57", Hunterdon County, Hydrologic Unit 02030105, at bridge on secondary road, 0.1 mi south of tracks of Central Railroad of New Jersey, 0.5 mi southeast of Lebanon, and 0.6 mi above mouth

Drainage area: 1.02 mi²

Station type: Low-flow partial-record station

Period of record: 1957-1982

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01381500, and 01396500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-1982	1.3	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-1982		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

NORTH AND SOUTH BRANCH RARITAN BASIN

01399670 South Branch Rockaway Creek at Whitehouse Station, NJ

Location: Latitude 40° 37' 10", Longitude 74° 46' 29", Hunterdon County, Hydrologic Unit 02030105, on right bank 1,700 ft upstream from bridge on U.S. Route 22, 0.4 mi northeast of Whitehouse Station, and 0.8 mi upstream from mouth.

Drainage area: 12.3 mi²

Station type: Continuous-record gaging station

Period of record: 1977-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1977-2001	28	0.1	885	8.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1978-2001		**2**	**5**	**10**	**20**
Annual	1	3.0	1.2	0.6	0.1
(Apr.-Mar.)	7	3.5	2.4	2.0	1.6
	30	5.0	3.4	3.3	1.5
Winter	1	3.4	2.6	1.9	1.0
(Nov.-Apr.)	7	6.7	4.6	3.6	2.9
	30	11	7.5	6.0	4.9

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1977-2001		**2**	**5**	**10**	**25**
Annual	1	347	519	645	817
(Oct.-Sept.)	7	120	170	203	244
	30	66	110	146	200
Winter	1	288	434	528	644
(Nov.-Apr.)	7	97	142	169	200
	30	54	79	95	114

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1977-2001																	
Annual	228	171	114	67	35	28	24	18	14	11	8.7	7.6	6.6	4.8	3.8	3.0	2.5
Winter	223	158	99	67	39	32	28	22	18	15	12	11	9.6	6.8	5.3	4.1	3.2

NORTH AND SOUTH BRANCH RARITAN BASIN

01399690 South Branch Rockaway Creek at Whitehouse, NJ

Location: Latitude 40° 37' 24", Longitude 74° 46' 00", Hunterdon County, Hydrologic Unit 02030105, at bridge on U.S. Route 22, 0.3 mi upstream from mouth, 0.6 mi north of Whitehouse Station, and 0.9 mi west of Whitehouse.

Drainage area: 13.2 mi²

Station type: Low-flow partial-record station

Period of record: 1977-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01399500, and 01400000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1999	16	6.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1999		
Annual	1	1.3
(Apr.-Mar.)	7	1.5
	30	1.9
Winter	1	2.4
(Nov.-Apr.)	7	3.0
	30	4.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01399700 Rockaway Creek at Whitehouse, NJ

Location: Latitude 40° 37' 49", Longitude 74° 44' 10", Hunterdon County, Hydrologic Unit 02030105, at bridge on Lamington Road, 1.4 mi northeast of Whitehouse and 1.8 mi upstream from mouth.

Drainage area: 37.1 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1959-1999

Remarks: This site has a continuous data record for the period 1977-1984.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1999	48	22

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1999		
Annual	1	4.2
(Apr.-Mar.)	7	5.1
	30	6.7
Winter	1	7.0
(Nov.-Apr.)	7	9.1
	30	13

NORTH AND SOUTH BRANCH RARITAN BASIN

01399820 Chambers Brook near North Branch, NJ

Location: Latitude 40° 37' 26", Longitude 74° 39' 47", Somerset County, Hydrologic Unit 02030105, at bridge on Love Road, 0.6 mi upstream from mouth, and 1.7 mi northeast of North Branch.

Drainage area: 4.71 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398500, 01399500, and 01400000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1972	4.7	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01399830 North Branch Raritan River at North Branch, NJ

Location: Latitude 40° 36' 00", Longitude 74° 40' 26", Somerset County, Hydrologic Unit 02030105, on right bank 5 ft upstream from bridge on State Highway 28 in village of North Branch, 0.1 mi downstream from River Brook, and 3. mi upstream from confluence with South Branch Raritan River.

Drainage area: 174 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1977-2001

Remarks: This site has a continuous data record for the period 1977-1981.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2001	294	119

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2001		
Annual	1	18
(Apr.-Mar.)	7	22
	30	30
Winter	1	34
(Nov.-Apr.)	7	47
	30	71

NORTH AND SOUTH BRANCH RARITAN BASIN

01399900 Chambers Brook at North Branch Depot, NJ

Location: Latitude 40° 35' 32", Longitude 74° 40' 59", Somerset County, Hydrologic Unit 02030105, at bridge on Stanton Roac in North Branch Depot, 0.3 mi upstream from mouth and 3.0 mi northwest of Raritan.

Drainage area: 10.2 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1975

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01396500, and 01400000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1975	9.1	2.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1975		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.6
(Nov.-Apr.)	7	0.8
	30	1.3

NORTH AND SOUTH BRANCH RARITAN BASIN

01400000 North Branch Raritan River near Raritan, NJ

Location: Latitude 40° 34' 14", Longitude 74° 40' 45", Somerset County, Hydrologic Unit 02030105, on right bank, 400 ft upstream from U.S. Highway 202, 1.4 mi upstream from confluence with South Branch Raritan River, and 2.7 mi west of Raritan.

Drainage area: 190 mi²

Station type: Continuous-record gaging station

Period of record: 1924-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1924-2001	310	7.5	15,300	123

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1925-2001		**2**	**5**	**10**	**20**
Annual	1	40	24	18	13
(Apr.-Mar.)	7	47	29	22	17
	30	61	38	30	24
Winter	1	77	47	34	26
(Nov.-Apr.)	7	93	60	47	38
	30	154	95	72	56

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1924-2001		**2**	**5**	**10**	**25**
Annual	1	4,220	6,260	7,830	10,100
(Oct.-Sept.)	7	1,510	2,150	2,610	3,230
	30	786	1,040	1,200	1,400
Winter	1	3,560	5,110	6,260	7,860
(Nov.-Apr.)	7	1,270	1,770	2,140	2,660
	30	718	968	1,140	1,360

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1924-2001																	
Annual	2,390	1,680	956	637	395	345	297	236	188	147	114	99	84	57	42	29	23
Winter	2,750	1,980	1,210	798	523	449	399	325	270	225	183	162	142	101	73	54	45

MILLSTONE BASIN

01400300 Peters Brook near Raritan, NJ

Location: Latitude 40° 35' 37", Longitude 74° 37' 50", Somerset County, Hydrologic Unit 02030105, on left bank 12 ft upstream from bridge on Garrestson Road, 1.5 mi north of Raritan, and 2.5 mi from mouth.

Drainage area: 4.19 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1978-1996

Remarks: This site has a continuous data record for the period 1979-1996.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1978-1996	4.0	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1978-1996		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.4

MILLSTONE BASIN

01400350 Macs Brook at Somerville, NJ

Location: Latitude 40° 34' 56", Longitude 74° 37' 05", Somerset County, Hydrologic Unit 02030105, on left upstream wing wall of culvert under access road from U.S. Highway 22 West to U.S. Highways 202 and 206, 1,200 ft upstream fror Peters Brook, and 0.4 mi north of Somerville.

Drainage area: 0.77 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1982-1995

Remarks: This site has a continuous data record for the period 1982-1995.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1995	1.2	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1995		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01400500 Raritan River at Manville, NJ

Location: Latitude 40° 33' 18", Longitude 74° 35' 01", Somerset County, Hydrologic Unit 02030105, on left bank at downstream side of bridge on North Main Street (Finderne Avenue) at Manville, and 1.4 mi upstream from Millstone River.

Drainage area: 490 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Remarks: Regulation since 1963 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-1963	748	22	21,600	263
1964-2001	810	17	30,700	368

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-1963		**2**	**5**	**10**	**20**
Annual	1	85	49	33	25
(Apr.-Mar.)	7	96	62	48	38
	30	122	80	62	50
Winter	1	160	97	74	60
(Nov.-Apr.)	7	189	119	93	76
	30	314	183	135	104
1965-2001		**2**	**5**	**10**	**20**
Annual	1	180	49	95	55
(Apr.-Mar.)	7	200	160	130	65
	30	220	180	170	90
Winter	1	213	143	110	86
(Nov.-Apr.)	7	257	176	138	109
	30	392	--	194	--

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-1963		**2**	**5**	**10**	**25**
Annual	1	9,980	14,100	16,900	20,700
(Oct.-Sept.)	7	3,850	5,080	5,900	6,950
	30	2,030	2,470	2,710	2,970
Winter	1	8,810	11,800	13,800	16,200
(Nov.-Apr.)	7	3,500	4,300	4,750	5,240
	30	1,910	2,350	2,610	2,900
1964-2001		**2**	**5**	**10**	**25**
Annual	1	10,800	14,100	18,500	22,400
(Oct.-Sept.)	7	4,160	5,750	6,730	7,880
	30	2,030	2,800	3,280	3,850
Winter	1	9,110	12,800	15,000	17,500
(Nov.-Apr.)	7	3,430	5,750	5,970	7,310
	30	1,860	2,800	3,120	3,750

01400500 Raritan River at Manville, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-1963																	
Annual	6,050	4,330	2,490	1,580	1,010	848	729	549	429	324	239	203	170	113	85	61	49
Winter	6,690	4,980	3,130	2,120	1,330	1,150	1,020	805	660	536	430	379	324	217	146	106	91
1964-2001																	
Annual	6,330	4,490	2,590	1,620	1,030	883	754	589	467	366	303	272	245	199	164	109	81
Winter	7,060	5,000	3,190	2,030	1,300	1,120	979	794	651	539	444	398	350	244	196	151	113

MILLSTONE BASIN

01400540 Millstone River near Manalapan, NJ

Location: Latitude 40° 15' 44", Longitude 74° 25' 12", Monmouth County, Hydrologic Unit 02030105, at bridge on State Route 33, 1.3 mi west of Manalapan, 5.5 mi east of Hightstown and 8.4 mi above Rocky Brook.

Drainage area: 7.37 mi²

Station type: Low-flow partial-record station

Period of record: 1960-1995

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-1995	26	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-1995		
Annual	1	1.6
(Apr.-Mar.)	7	1.9
	30	2.5
Winter	1	3.9
(Nov.-Apr.)	7	4.9
	30	6.8

MILLSTONE BASIN

01400560 Millstone River at Applegarth, NJ

Location: Latitude 40° 16' 28", Longitude 74° 28' 21", Middlesex County, Hydrologic Unit 02030105, at bridge on Prospect Plains - Applegarth Road, 0.3 mi south of Applegarth, 2.7 mi east of Hightstown and 5.2 mi above Rocky Brook.

Drainage area: 15 mi²

Station type: Low-flow partial-record station

Period of record: 1960-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-1980	22	8.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-1980		
Annual	1	1.0
(Apr.-Mar.)	7	1.2
	30	1.6
Winter	1	2.5
(Nov.-Apr.)	7	3.5
	30	5.2

MILLSTONE BASIN

01400580 Millstone River at Hightstown, NJ

Location: Latitude 40° 17' 25", Longitude 74° 31' 20", Mercer County, Hydrologic Unit 02030105, at bridge on U.S. Route 130, 1.3 mi above Rocky Brook, 1.4 mi north of Hightstown, and 1.4 mi south of Cranbury.

Drainage area: 19.7 mi²

Station type: Low-flow partial-record station

Period of record: 1960-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-1974	27	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-1974		
Annual	1	1.2
(Apr.-Mar.)	7	1.5
	30	2.0
Winter	1	3.4
(Nov.-Apr.)	7	4.4
	30	6.2

MILLSTONE BASIN

01400596 Peddie Brook at Hightstown, NJ

Location: Latitude 40° 15' 36", Longitude 74° 31' 07", Mercer County, Hydrologic Unit 02030105, at bridge on Etra Road, 0.2 mi above mouth, and 0.7 mi southeast of Hightstown.

Drainage area: 3.07 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1999	4.0	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1999		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.1
(Nov.-Apr.)	7	1.4
	30	1.7

MILLSTONE BASIN

01400600 Millstone River at Locust Corner, NJ

Location: Latitude 40° 17' 28", Longitude 74° 32' 57", Mercer County, Hydrologic Unit 02030105, at bridge on State Route 535 0.7 mi downstream from Rocky Brook, 0.8 mi northeast of Locust Corner and 2.0 mi northwest of Hightstown.

Drainage area: 37.5 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1971

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1971	52	23

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1971		
Annual	1	3.2
(Apr.-Mar.)	7	3.8
	30	5.1
Winter	1	8.5
(Nov.-Apr.)	7	10
	30	15

MILLSTONE BASIN

01400640 Millstone River near Grovers Mill, NJ

Location: Latitude 40° 18' 48", Longitude 74° 35' 21", Mercer County, Hydrologic Unit 02030105, at bridge on Cranbury Neck Road, 1.0 mi east of Grovers Mill, 1.8 mi upstream from Cranbury Brook, and 1.8 mi east of Princeton Junction.

Drainage area: 42.6 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01402000, 01408000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	73	32

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	5.7
(Apr.-Mar.)	7	6.7
	30	8.9
Winter	1	13
(Nov.-Apr.)	7	16
	30	23

MILLSTONE BASIN

01400670 Cranbury Brook at Old Church, NJ

Location: Latitude 40° 17' 24", Longitude 74° 27' 21", Middlesex County, Hydrologic Unit 02030105, at bridge on Federal Road, 0.4 mi east of Old Church, 3.7 mi northeast of Hightstown, and 4.2 mi above dam at Brainerd Lake in Cranbu

Drainage area: 3.69 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	3.0	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

MILLSTONE BASIN

01400700 Cranbury Brook at Cranbury Station, NJ

Location: Latitude 40° 18' 28", Longitude 74° 29' 12", Middlesex County, Hydrologic Unit 02030105, at highway bridge on east side of tracks of Penn Central Railroad, 0.5 mi northeast of Cranbury Station, and 1.6 mi upstream from dam at Brainerd Lake in Cranbury.

Drainage area: 9.56 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	7.0	3.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.8
(Apr.-Mar.)	7	0.9
	30	1.1
Winter	1	1.5
(Nov.-Apr.)	7	1.8
	30	2.4

MILLSTONE BASIN

01400725 Cranbury Brook at Plainsboro, NJ

Location: Latitude 40° 19' 34", Longitude 74° 36' 10", Middlesex County, Hydrologic Unit 02030105, at bridge on Maple Avenue at outlet of Plainsboro Pond in Plainsboro, and 0.7 mi upstream of mouth.

Drainage area: 22.1 mi²

Station type: Low-flow partial-record station

Period of record: 1971-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, and 01408500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-2002	45	8.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	1.2
(Nov.-Apr.)	7	1.8
	30	3.3

MILLSTONE BASIN

01400730 Millstone River at Plainsboro, NJ

Location: Latitude 40° 19' 27", Longitude 74° 36' 50", Middlesex County, Hydrologic Unit 02030105, 30 ft upstream from bridge on Penn Central Railroad, 100 ft downstream from Cranbury Brook, 0.2 mi upstream from Bear Brook, and 0 mi southwest of Plainsboro.

Drainage area: 65.8 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1962-1989

Remarks: This site has a continuous data record for the periods 1964-1975, 1987-1989.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1962-1989	110	42

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1962-1989		
Annual	1	6.3
(Apr.-Mar.)	7	7.7
	30	11
Winter	1	18
(Nov.-Apr.)	7	22
	30	32

MILLSTONE BASIN

01400750 Bear Brook near Hickory Corner, NJ

Location: Latitude 40° 16' 01", Longitude 74° 34' 44", Mercer County, Hydrologic Unit 02030105, at bridge on Dutch Neck Road, 0.8 mi above Little Bear Brook, 1.3 mi southwest of Hickory Corner, and 3.0 mi west of Hightstown.

Drainage area: 3.46 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, and 01408500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	2.5	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

MILLSTONE BASIN

01400770 Little Bear Brook at Hickory Corner, NJ

Location: Latitude 40° 16' 05", Longitude 74° 33' 56", Mercer County, Hydrologic Unit 02030105, at bridge on Dutch Neck Road, 0.5 mi southwest of Hickory Corner, 0.8 mi above mouth, and 2.3 mi west of Hightstown.

Drainage area: 1.88 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, and 01408500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	1.8	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

MILLSTONE BASIN

01400800 Bear Brook near Grovers Mill, NJ

Location: Latitude 40° 17' 51", Longitude 74° 35' 41", Mercer County, Hydrologic Unit 02030105, at highway bridge on Rabbi Hill Road, 1.5 mi southeast of Grovers Mill, 2.3 mi upstream from mouth, and 4.2 mi northwest of Hightstown.

Drainage area: 9.52 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1964

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1964	8.6	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1964		
Annual	1	0.4
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.2
	30	1.8

MILLSTONE BASIN

01400810 Bear Brook at Princeton Junction, NJ

Location: Latitude 40° 19' 21", Longitude 74° 36' 59", Mercer County, Hydrologic Unit 02030105, at Penn Central Railroad bridge 0.2 mi above mouth, and 0.7 mi northeast of Princeton Junction.

Drainage area: 12.4 mi²

Station type: Low-flow partial-record station

Period of record: 1962-1971

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1962-1971	16	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1962-1971		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.6
(Nov.-Apr.)	7	2.0
	30	3.2

MILLSTONE BASIN

01400850 Woodsville Brook at Woodsville, NJ

Location: Latitude 40° 22' 37", Longitude 74° 49' 32", Mercer County, Hydrologic Unit 02030105, at bridge on Marshalls Corner-Woodsville Road, 0.3 mi southeast of Woodsville, 0.8 mi above mouth, and 3.4 mi west of Hopewell.

Drainage area: 1.78 mi²

Station type: Low-flow partial-record station

Period of record: 1957-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2002	3.6	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

MILLSTONE BASIN

01400900 Stony Brook at Glenmoore, NJ

Location: Latitude 40° 21' 55", Longitude 74° 47' 13", Mercer County, Hydrologic Unit 02030105, at highway bridge on Spur State Route 518 200 ft east of tracks of Reading Railroad, and 2.0 mi southwest of Hopewell.

Drainage area: 17 mi²

Station type: Low-flow partial-record station

Period of record: 1957-1999

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-1999	26	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-1999		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.3
(Nov.-Apr.)	7	0.5
	30	1.3

MILLSTONE BASIN

01400930 Baldwins Creek at Pennington, NJ

Location: Latitude 40° 20' 18", Longitude 74° 47' 49", Mercer County, Hydrologic Unit 02030105, at bridge on State Route 31 0.8 mi north of Pennington, and 0.9 mi upstream of Baldwin Lake Dam.

Drainage area: 1.99 mi²

Station type: Low-flow partial-record station

Period of record: 1957-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-1998	2.2	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-1998		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.4

MILLSTONE BASIN

01400932 Baldwins Creek at Baldwin Lake near Pennington, NJ

Location: Latitude 40° 20' 26", Longitude 74° 46' 47", Mercer County, Hydrologic Unit 02030105, on right bank 200 ft upstream from Earthfill Dam, 1,000 ft upstream from mouth, and 1.1 mi northeast of Pennington.

Drainage area: 2.52 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-1987

Remarks: This site has a continuous data record for the period 1963-1970.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1987	7.6	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1987		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

MILLSTONE BASIN

01400947 Stony Brook at Pennington, NJ

Location: Latitude 40° 19' 50", Longitude 74° 46' 04", Mercer County, Hydrologic Unit 02030105, 25 ft upstream from dam or Stony Brook at Old Mill Road, 1.3 mi east of Pennington, and 1.4 mi downstream from Baldwin Creek.

Drainage area: 26.7 mi²

Station type: Low-flow partial-record station

Period of record: 1965-2002

Remarks: Low-flow frequency estimates are based on correlation with gaging station 01401000. The correlation is considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2002	52	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.5
(Nov.-Apr.)	7	0.8
	30	2.4

MILLSTONE BASIN

01400953 Honey Branch near Pennington, NJ

Location: Latitude 40° 21' 27", Longitude 74° 45' 57", Mercer County, Hydrologic Unit 02030105, on right bank 50 ft upstrear from Wargo Road Bridge, 2.2 mi upstream from mouth, and 2.5 mi northeast of Pennington.

Drainage area: 0.7 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1965-1987

Remarks: This site has a continuous data record for the period 1967-1975.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1987	0.5	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1987		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

MILLSTONE BASIN

01400970 Honey Branch near Rosedale, NJ

Location: Latitude 40° 20' 26", Longitude 74° 44' 38", Mercer County, Hydrologic Unit 02030105, at bridge on Elm Ridge Road, 0.2 mi above mouth and 1.2 mi west of Rosedale.

Drainage area: 3.83 mi²

Station type: Low-flow partial-record station

Period of record: 1957-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2002	5.3	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.1
	30	0.2

MILLSTONE BASIN

01401000 Stony Brook at Princeton, NJ

Location: Latitude 40° 19' 59", Longitude 74° 40' 55", Mercer County, Hydrologic Unit 02030105, on right bank 10 ft downstream from bridge on U.S. Highway 206, 1.6 mi southwest of Princeton, and 4.0 mi upstream from Carnegie Lake.

Drainage area: 44.5 mi²

Station type: Continuous-record gaging station

Period of record: 1954-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1954-2001	67	0.0	3,730	4.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1955-2001		**2**	**5**	**10**	**20**
Annual	1	1.0	0.3	0.2	0.1
(Apr.-Mar.)	7	1.2	0.5	0.2	0.1
	30	2.5	1.0	0.6	0.4
Winter	1	5.2	2.4	1.5	1.0
(Nov.-Apr.)	7	7.7	3.6	2.3	1.4
	30	21	9.5	5.6	3.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1954-2001		**2**	**5**	**10**	**25**
Annual	1	1,510	2,170	2,650	3,290
(Oct.-Sept.)	7	449	610	718	855
	30	207	275	318	371
Winter	1	1,320	1,850	2,190	2,600
(Nov.-Apr.)	7	400	536	625	735
	30	197	264	308	364

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1954-2001																	
Annual	817	534	267	147	76	61	49	34	23	15	8.6	6.3	4.7	2.1	1.2	0.5	0.3
Winter	962	666	364	214	113	93	79	60	46	35	27	23	19	10	5.8	2.7	1.6

MILLSTONE BASIN

01401100 Stony Brook at Clarksville, NJ

Location: Latitude 40° 18' 34", Longitude 74° 40' 51", Mercer County, Hydrologic Unit 02030105, at highway bridge on State Route 533, 600 ft upstream from Duck Pond Run, 0.9 mi north of Clarksville, and 2.7 mi southwest of Penns Neck.

Drainage area: 46.5 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1987

Remarks: Low-flow frequency estimates are based on correlation with gaging station 01401000. The correlation is considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1987	73	6.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1987		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.8
Winter	1	2.1
(Nov.-Apr.)	7	3.0
	30	7.1

MILLSTONE BASIN

01401200 Duck Pond Run at Clarksville, NJ

Location: Latitude 40° 18' 24", Longitude 74° 40' 05", Mercer County, Hydrologic Unit 02030105, at bridge on U.S. Route 1, 0.7 mi above Stony Brook, 0.9 mi northeast of Clarksville, and 3.5 mi northeast of Lawrenceville.

Drainage area: 3.74 mi²

Station type: Low-flow partial-record station

Period of record: 1954-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1954-2002	5.2	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1954-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.9

MILLSTONE BASIN

01401301 Millstone River at Carnegie Lake at Princeton, NJ

Location: Latitude 40° 22' 11", Longitude 74° 37' 14", Middlesex County, Hydrologic Unit 02030105, at right end of Carnegie Lake dam, 2.5 mi northeast of Princeton.

Drainage area: 159 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1957-2002

Remarks: This site has a continuous data record for the period 1972-1974, 1987-1989.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2002	249	68

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2002		
Annual	1	6.8
(Apr.-Mar.)	7	9.1
	30	14
Winter	1	24
(Nov.-Apr.)	7	30
	30	49

MILLSTONE BASIN

01401400 Heathcote Brook at Kingston, NJ

Location: Latitude 40° 22' 10", Longitude 74° 36' 58", Middlesex County, Hydrologic Unit 02030105, at bridge on Mapleton Road at abandoned railroad bridge, 0.3 mi south of Kingston, and 0.4 mi upstream from mouth.

Drainage area: 9 mi²

Station type: Low-flow partial-record station

Period of record: 1971-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01402000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-2002	8.9	2.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.3
(Nov.-Apr.)	7	1.5
	30	2.3

MILLSTONE BASIN

01401500 Millstone River near Kingston, NJ

Location: Latitude 40° 23' 04", Longitude 74° 37' 23", Middlesex County, Hydrologic Unit 02030105, on left bank at Princeton Sewage Disposal Plant, 0.8 mi north of Kingston, 0.8 mi downstream from Heathcote Brook, and 1.1 mi downstream from Carnegie Lake Dam.

Drainage area: 171 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1933-1949

Remarks: This site has a continuous data record for the period 1934-1949.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1933-1949	316	89

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1933-1949		
Annual	1	6.3
(Apr.-Mar.)	7	8.6
	30	13
Winter	1	24
(Nov.-Apr.)	7	31
	30	52

MILLSTONE BASIN

01401520 Beden Brook near Hopewell, NJ

Location: Latitude 40° 23' 02", Longitude 74° 44' 27", Mercer County, Hydrologic Unit 02030105, at bridge on Aunt Molly Road, 1.1 mi southeast of Hopewell and 2.6 mi southwest of Blawenberg.

Drainage area: 6.67 mi²

Station type: Low-flow partial-record station

Period of record: 1965-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2002	12	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.4
	30	0.9

MILLSTONE BASIN

01401590 Rock Brook at Blawenburg, NJ

Location: Latitude 40° 24' 40", Longitude 74° 42' 09", Somerset County, Hydrologic Unit 02030105, at bridge on Great Road, 0.3 mi north of Blawenberg, 1.7 mi upstream of mouth and 3.7 mi west of Rocky Hill.

Drainage area: 8.02 mi²

Station type: Low-flow partial-record station

Period of record: 1962-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01402000, 01445500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1962-2002	16	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1962-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.4
	30	0.9

MILLSTONE BASIN

01401600 Beden Brook near Rocky Hill, NJ

Location: Latitude 40° 24' 52", Longitude 74° 39' 01", Somerset County, Hydrologic Unit 02030105, at bridge on U.S. Route 206, 0.7 mi upstream of Pike Run, 1.2 mi northwest of Rocky Hill, and 4.6 mi north of Princeton.

Drainage area: 27 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01402000, 01445500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2001	39	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.6
Winter	1	1.2
(Nov.-Apr.)	7	1.7
	30	3.7

MILLSTONE BASIN

01401650 Pike Run at Belle Mead, NJ

Location: Latitude 40° 28' 05", Longitude 74° 38' 56", Somerset County, Hydrologic Unit 02030105, on right bank 20 ft upstream from bridge on Township Line Road, 0.7 mi east of Belle Mead, 0.8 mi upstream from Cruser Brook, and 1.0 mi downstream from bridge on U.S. Route 206.

Drainage area: 5.36 mi²

Station type: Continuous-record gaging station

Period of record: 1980-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1980-2001	8.8	0.0	1,590	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1981-2001		**2**	**5**	**10**	**20**
Annual	1	0.2	0.0	0.0	0.0
(Apr.-Mar.)	7	0.2	0.0	0.0	0.0
	30	0.7	0.2	0.0	0.0
Winter	1	0.6	0.3	0.0	0.0
(Nov.-Apr.)	7	0.9	0.6	0.1	0.0
	30	2.8	1.8	0.4	0.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**25**
Annual	1	246	499	760	1,240
(Oct.-Sept.)	7	61	104	140	197
	30	26	41	51	64
Winter	1	205	350	468	641
(Nov.-Apr.)	7	52	81	103	134
	30	24	37	46	58

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1980-2001																	
Annual	118	73	34	16	8.0	6.4	5.4	3.9	2.7	1.8	1.1	0.9	0.7	0.4	0.2	0.1	0.0
Winter	145	94	48	25	12	9.9	8.0	6.2	4.9	3.8	2.9	2.5	2.1	1.1	0.6	0.0	0.0

MILLSTONE BASIN

01401700 Pike Run near Rocky Hill, NJ

Location: Latitude 40° 25' 12", Longitude 74° 38' 27", Somerset County, Hydrologic Unit 02030105, at bridge on County Rout 533 (River Road), 0.1 mi upstream of mouth, and 1.4 mi north of Rocky Hill.

Drainage area: 22.2 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01408000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	28	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	1.1
(Nov.-Apr.)	7	1.5
	30	3.1

MILLSTONE BASIN

01401800 Ten Mile Run near Blackwells Mills, NJ

Location: Latitude 40° 27' 23", Longitude 74° 35' 08", Somerset County, Hydrologic Unit 02030105, at bridge on Canal Road, 0.4 mi upstream from mouth, and 1.5 mi southwest of Blackwells Mills.

Drainage area: 4.36 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01408000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	5.2	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.4
(Nov.-Apr.)	7	0.6
	30	0.9

MILLSTONE BASIN

01401900 Six Mile Run at Blackwells Mills, NJ

Location: Latitude 40° 28' 21", Longitude 74° 34' 16", Somerset County, Hydrologic Unit 02030105, at culvert on Canal Road, just upstream of the Delaware and Raritan Canal, 0.1 mi upstream of mouth, and 0.2 mi south of Blackwells Mills.

Drainage area: 16.1 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01408000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	28	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	2.4
(Apr.-Mar.)	7	2.8
	30	3.5
Winter	1	4.7
(Nov.-Apr.)	7	5.6
	30	7.7

MILLSTONE BASIN

01402000 Millstone River at Blackwells Mills, NJ

Location: Latitude 40° 28' 30", Longitude 74° 34' 33", Somerset County, Hydrologic Unit 02030105, on left bank 30 ft downstream from highway bridge at Blackwells Mills, and 0.3 mi downstream from Six Mile Run.

Drainage area: 258 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	382	5.0	22,000	127

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	37	20	14	9.7
(Apr.-Mar.)	7	44	25	18	13
	30	63	36	26	19
Winter	1	80	53	43	36
(Nov.-Apr.)	7	99	67	53	44
	30	163	106	84	69

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	4,800	7,480	9,660	12,900
(Oct.-Sept.)	7	2,120	2,940	3,520	4,270
	30	1,040	1,360	1,550	1,770
Winter	1	3,980	5,760	7,040	8,770
(Nov.-Apr.)	7	1,870	2,520	2,930	3,440
	30	980	1,290	1,470	1,680

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	3,120	2,320	1,390	840	486	395	343	261	201	154	117	102	87	59	44	29	21
Winter	3,410	2,670	1,780	1,140	669	558	486	381	309	254	206	183	162	111	83	63	53

MILLSTONE BASIN

01402590 Royce Brook tributary at Frankfort, NJ

Location: Latitude 40° 30' 21", Longitude 74° 40' 23", Somerset County, Hydrologic Unit 02030105, on left bank 20 ft upstream from bridge on Beekman Lane, 0.6 mi east of Frankfort, and 1.6 mi upstream from mouth.

Drainage area: 0.29 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1970-1974

Remarks: This site has a continuous data record for the period 1970-1975.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1970-1974	0.3	0.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1970-1974		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

MILLSTONE BASIN

01402600 Royce Brook tributary near Belle Mead, NJ

Location: Latitude 40° 29' 56", Longitude 74° 39' 04", Somerset County, Hydrologic Unit 02030105, on right bank 25 ft upstream from bridge on County Highway 514, 1,200 ft upstream from mouth, and 2.0 mi north of Belle Mead.

Drainage area: 1.2 mi²

Station type: Continuous-record gaging station

Period of record: 1967-1996

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1967-1996	2.5	0.0	160	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1968-1996		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.0	0.0	0.0	0.0
	30	0.2	0.0	0.0	0.0
Winter	1	0.1	0.0	0.0	0.0
(Nov.-Apr.)	7	0.2	0.1	0.0	0.0
	30	0.7	0.5	0.2	0.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1967-1996		**2**	**5**	**10**	**25**
Annual	1	59	87	106	129
(Oct.-Sept.)	7	16	21	24	27
	30	6.5	9.2	11	14
Winter	1	48	69	83	98
(Nov.-Apr.)	7	14	17	19	21
	30	6.4	8.3	9.4	11

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1967-1996																	
Annual	32	21	12	5.4	2.4	1.9	1.5	1.0	0.8	0.7	0.5	0.4	0.3	0.2	0.1	0.0	0.0
Winter	33	23	13	6.5	3.1	2.4	2.0	1.4	1.0	0.8	0.6	0.5	0.4	0.2	0.1	0.0	0.0

MILLSTONE BASIN

01402700 Royce Brook at Manville, NJ

Location: Latitude 40° 31' 30", Longitude 74° 36' 43", Somerset County, Hydrologic Unit 02030105, at bridge on Main Street, 1.6 mi southwest of Manville and 2.1 mi above mouth.

Drainage area: 11.7 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01399500, and 01401000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	14	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	1.1

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403060 Raritan River below Calco Dam at Bound Brook, NJ

Location: Latitude 40° 33' 04", Longitude 74° 32' 54", Somerset County, Hydrologic Unit 02030105, on right bank 1,000 ft downstream from Calco Dam and Cuckold Brook, 1,400 ft upstream from bridge on Interstate 287, 1.2 mi downstream from Millstone River, and 1.2 mi southwest of Bound Brook.

Drainage area: 785 mi²

Station type: Continuous-record gaging station

Period of record: 1903-2001

Remarks: Regulation since 1963 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1903-1963	1,210	40	27,400	436
1964-2001	1,190	37	61,000	380

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1904-1963		**2**	**5**	**10**	**20**
Annual	1	144	85	60	40
(Apr.-Mar.)	7	180	95	70	50
	30	216	133	85	65
Winter	1	261	170	136	114
(Nov.-Apr.)	7	315	210	170	143
	30	541	339	261	208
1965-2001		**2**	**5**	**10**	**20**
Annual	1	128	85	60	45
(Apr.-Mar.)	7	153	130	89	55
	30	180	150	120	80
Winter	1	189	128	105	89
(Nov.-Apr.)	7	253	167	134	111
	30	500	270	170	150

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1903-1963		**2**	**5**	**10**	**25**
Annual	1	14,400	19,500	22,500	26,000
(Oct.-Sept.)	7	6,420	8,100	9,050	10,100
	30	3,180	3,810	4,120	4,430
Winter	1	12,500	16,400	19,000	22,100
(Nov.-Apr.)	7	5,780	7,210	7,990	8,830
	30	3,020	3,700	4,080	4,500
1964-2001		**2**	**5**	**10**	**25**
Annual	1	16,800	19,500	30,500	38,600
(Oct.-Sept.)	7	6,940	9,530	11,100	12,900
	30	3,370	4,640	5,360	6,140
Winter	1	14,300	19,900	23,400	27,300
(Nov.-Apr.)	7	5,860	9,530	9,730	11,500
	30	3,060	4,640	5,090	6,010

01403060 Raritan River below Calco Dam at Bound Brook, NJ--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1903-1963									
Annual	9,390	6,890	4,170	2,590	1,580	1,380	1,180	905	701
Winter	10,400	8,080	5,250	3,460	2,170	1,860	1,630	1,300	1,080
1964-2001									
Annual	10,000	7,380	4,440	2,650	1,530	1,280	1,060	780	595
Winter	11,500	8,530	5,430	3,430	2,060	1,730	1,490	1,160	927

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1903-1963								
Annual	538	419	360	301	198	140	95	73
Winter	886	706	628	552	387	281	200	170
1964-2001								
Annual	439	310	255	219	158	133	112	92
Winter	747	589	514	438	270	187	148	128

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403100 East Branch Middle Brook at Martinsville, NJ

Location: Latitude 40° 35' 37", Longitude 74° 32' 42", Somerset County, Hydrologic Unit 02030105, at bridge on Vosseller Avenue, 0.9 mi southeast of Martinsville, 1.2 mi upstream from West Branch Middle Brook, and 2.3 mi north of Bound Brook.

Drainage area: 8.45 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, and 01398500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	9.7	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.6
	30	1.0

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403150 West Branch Middle Brook near Martinsville, NJ

Location: Latitude 40° 36' 44", Longitude 74° 35' 27", Somerset County, Hydrologic Unit 02030105, on left bank 150 ft upstream from bridge on Crim Road, 1.4 mi northwest of Martinsville, and 1.8 mi upstream from confluence with E Branch Middle Brook.

Drainage area: 1.99 mi²

Station type: Continuous-record gaging station

Period of record: 1979-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1979-2001	3.5	0.0	318	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**20**
Annual	1	0.1	0.0	0.0	0.0
(Apr.-Mar.)	7	0.1	0.1	0.0	0.0
	30	0.1	0.1	0.1	0.1
Winter	1	0.2	0.1	0.1	0.1
(Nov.-Apr.)	7	0.3	0.2	0.1	0.1
	30	1.1	0.5	0.3	0.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**25**
Annual	1	106	157	194	245
(Oct.-Sept.)	7	26	35	40	45
	30	11	15	18	22
Winter	1	81	123	150	182
(Nov.-Apr.)	7	22	31	36	42
	30	9.8	14	17	20

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1979-2001																	
Annual	55	35	17	6.0	2.7	2.2	1.8	1.3	0.9	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0
Winter	59	42	22	9.9	3.9	3.0	2.6	2.0	1.5	1.2	0.9	0.7	0.6	0.4	0.2	0.1	0.1

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403160 West Branch Middle Brook near Somerville, NJ

Location: Latitude 40° 36' 28", Longitude 74° 35' 10", Somerset County, Hydrologic Unit 02030105, on left bank 150 ft upstream from bridge on Tullo Road, 2.4 mi northeast of Somerville, and 1.4 mi upstream from confluence with Eas Branch Middle Brook.

Drainage area: 3.83 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1982-1986

Remarks: This site has a continuous data record for the period 1983-1986.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1986	6.2	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1986		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.6

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403330 Bound Brook at South Plainfield, NJ

Location: Latitude 40° 34' 43", Longitude 74° 24' 44", Middlesex County, Hydrologic Unit 02030105, at bridge on Hamilton Road in South Plainfield, 0.5 mi upstream from Cedar Brook, and 1.9 mi east of New Market.

Drainage area: 9.55 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01403540, and 01408000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1986	10	6.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1986		
Annual	1	1.9
(Apr.-Mar.)	7	2.0
	30	2.6
Winter	1	3.0
(Nov.-Apr.)	7	3.4
	30	4.5

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403350 Cedar Brook at South Plainfield, NJ

Location: Latitude 40° 34' 57", Longitude 74° 24' 52", Middlesex County, Hydrologic Unit 02030105, at bridge on Lakeview Road in South Plainfield, 0.4 mi upstream from mouth, and 2.0 mi east of Dunellen.

Drainage area: 7.1 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01394500, 01398000, 01401000, 01408000, and 01464500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1986	3.4	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1986		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.5

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403385 Bound Brook at Route 28 at Middlesex, NJ

Location: Latitude 40° 34' 51", Longitude 74° 29' 57", Middlesex County, Hydrologic Unit 02030105, 0.3 mi upstream from Green Brook, 0.9 mi northeast of Middlesex, and 2.4 mi west of the intersection of State Route 28 and Washington Avenue in Dunellen.

Drainage area: 23.9 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01396500, 01399500, and 01403400. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	16	8.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	1.8
(Apr.-Mar.)	7	2.0
	30	2.6
Winter	1	3.3
(Nov.-Apr.)	7	3.8
	30	5.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403395 Blue Brook at Seeleys Pond Dam near Berkeley Heights, NJ

Location: Latitude 40° 40' 02", Longitude 74° 24' 12", Union County, Hydrologic Unit 02030105, at dam on Seeleys Pond, 200 ft upstream from mouth, and 2.2 mi southeast of Berkeley Heights.

Drainage area: 3.59 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01396500, 01399500, 01401000, and 01403400. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2001	3.4	1.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.0

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403400 Green Brook at Seeley Mills, NJ

Location: Latitude 40° 39' 58", Longitude 74° 24' 14", Somerset County, Hydrologic Unit 02030105, on right bank at Seeley Mills, 250 ft downstream from Blue Brook, 300 ft downstream from bridge on Diamond Hill Road, and 0.5 mi northwest of Scotch Plains.

Drainage area: 6.23 mi²

Station type: Continuous-record gaging station

Period of record: 1979-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1979-2001	11	0.0	1,470	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**20**
Annual	1	1.1	0.4	0.1	0.1
(Apr.-Mar.)	7	1.4	0.6	0.3	0.1
	30	2.0	1.0	0.6	0.3
Winter	1	1.8	1.1	0.8	0.6
(Nov.-Apr.)	7	2.4	1.4	1.0	0.8
	30	4.3	2.6	2.0	1.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**25**
Annual	1	181	331	494	809
(Oct.-Sept.)	7	60	101	142	216
	30	29	45	56	73
Winter	1	136	212	271	354
(Nov.-Apr.)	7	49	72	87	104
	30	25	36	44	55

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1979-2001																	
Annual	103	70	38	22	12	10	8.2	6.3	4.9	3.8	2.9	2.6	2.2	1.5	1.1	0.5	0.2
Winter	115	80	47	28	16	13	12	8.7	7.1	5.8	4.6	4.1	3.6	2.5	1.8	1.1	0.9

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403500 Green Brook at Plainfield, NJ

Location: Latitude 40° 36' 53", Longitude 74° 25' 54", Union County, Hydrologic Unit 02030105, on left bank at bridge on Sycamore Avenue in Plainfield and 1.0 mi upstream from Stony Brook.

Drainage area: 9.75 mi²

Station type: Continuous-record gaging station

Period of record: 1939-1985

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1939-1985	13	0.0	905	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1940-1985		**2**	**5**	**10**	**20**
Annual	1	0.3	0.0	0.0	0.0
(Apr.-Mar.)	7	0.5	0.1	0.0	0.0
	30	1.2	0.4	0.3	0.1
Winter	1	0.8	0.2	0.0	0.0
(Nov.-Apr.)	7	1.4	0.4	0.2	0.0
	30	4.8	2.1	1.1	0.6

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1939-1985		**2**	**5**	**10**	**25**
Annual	1	262	398	510	680
(Oct.-Sept.)	7	85	113	132	154
	30	39	51	57	64
Winter	1	221	310	374	460
(Nov.-Apr.)	7	72	96	112	130
	30	35	47	54	63

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1939-1985																	
Annual	139	92	49	28	16	13	11	7.4	5.4	3.8	2.4	1.9	1.5	0.8	0.4	0.2	0.1
Winter	161	111	63	37	22	18	16	12	8.8	6.8	5.2	4.4	3.6	1.7	1.0	0.3	0.1

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403535 East Branch Stony Brook at Best Lake at Watchung, NJ

Location: Latitude 40° 38' 25", Longitude 74° 26' 51", Somerset County, Hydrologic Unit 02030105, 700 ft upstream from dan on Best Lake in Watchung, 1,400 ft upstream from mouth, and 1.4 mi west of Plainfield.

Drainage area: 1.57 mi²

Station type: Continuous-record gaging station

Period of record: 1980-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1980-2001	2.7	0.0	230	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1981-2001		**2**	**5**	**10**	**20**
Annual	1	0.1	0.0	0.0	0.0
(Apr.-Mar.)	7	0.2	0.0	0.0	0.0
	30	0.3	0.2	0.1	0.1
Winter	1	0.3	0.1	0.0	0.0
(Nov.-Apr.)	7	0.5	0.2	0.1	0.0
	30	1.3	0.5	0.2	0.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1980-2001		**2**	**5**	**10**	**25**
Annual	1	55	93	127	180
(Oct.-Sept.)	7	16	23	27	32
	30	7.6	10	12	13
Winter	1	41	62	76	94
(Nov.-Apr.)	7	13	18	21	24
	30	6.5	9.2	11	13

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1980-2001																	
Annual	29	19	9.4	5.5	3.4	2.8	2.3	1.6	1.1	0.8	0.6	0.5	0.4	0.2	0.1	0.0	0.0
Winter	33	23	13	7.2	4.4	3.8	3.3	2.6	2.0	1.5	1.1	0.9	0.8	0.5	0.3	0.1	0.0

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403540 Stony Brook at Watchung, NJ

Location: Latitude 40° 38' 12", Longitude 74° 27' 05", Somerset County, Hydrologic Unit 02030105, on right bank at Watchung Borough Administration Building in Watchung, 150 ft downstream from bridge on Mountain Boulevard, 400 ft downstream from East Branch Stony Brook, and 2.9 mi upstream from confluence with Green Brook.

Drainage area: 5.51 mi²

Station type: Continuous-record gaging station

Period of record: 1975-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1975-2001	10	0.0	814	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1976-2001		**2**	**5**	**10**	**20**
Annual	1	0.6	0.3	0.2	0.2
(Apr.-Mar.)	7	0.8	0.4	0.2	0.2
	30	1.2	0.8	0.6	0.5
Winter	1	1.4	0.8	0.7	0.6
(Nov.-Apr.)	7	2.0	1.2	0.9	0.7
	30	4.3	2.6	1.9	1.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1975-2001		**2**	**5**	**10**	**25**
Annual	1	203	323	420	561
(Oct.-Sept.)	7	60	81	92	104
	30	28	38	43	49
Winter	1	148	231	286	354
(Nov.-Apr.)	7	48	68	79	91
	30	25	35	42	50

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1975-2001																	
Annual	101	66	36	21	12	10	8.4	6.2	4.7	3.4	2.4	2.0	1.7	1.1	0.6	0.3	0.1
Winter	115	79	46	27	16	14	12	9.4	7.6	6.1	4.8	4.3	3.7	2.4	1.5	1.1	0.9

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01403900 Bound Brook at Middlesex, NJ

Location: Latitude 40° 35' 06", Longitude 74° 30' 29", Somerset County, Hydrologic Unit 02030105, at bridge on Sebrings Mil Road at Middlesex, 0.4 mi downstream of mouth of Green Brook, and 2.3 mi upstream of mouth.

Drainage area: 48.4 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1972-2003

Remarks: This site has a continuous data record for the periods 1972-1998, 2000-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1972-2003	46	17

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1972-2003		
Annual	1	3.0
(Apr.-Mar.)	7	3.8
	30	5.3
Winter	1	6.2
(Nov.-Apr.)	7	7.1
	30	11

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404060 Ambrose Brook at Middlesex, NJ

Location: Latitude 40° 34' 03", Longitude 74° 31' 01", Middlesex County, Hydrologic Unit 02030105, at dam, 900 ft upstream from bridge on State Route 18 in Middlesex, and 0.7 mi upstream from mouth.

Drainage area: 13.9 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1991

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01379000, 01380500, 01384500, 01396500, and 01403540. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1991	11	4.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1991		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.2
Winter	1	1.7
(Nov.-Apr.)	7	2.0
	30	3.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404180 Mill Brook at Highland Park, NJ

Location: Latitude 40° 30' 23", Longitude 74° 25' 50", Middlesex County, Hydrologic Unit 02030105, at bridge on Harrison Street in Highland Park, 0.7 mi upstream from mouth, and 0.9 mi northeast of New Brunswick.

Drainage area: 1.41 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1986	1.6	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1986		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.4

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404300 Lawrence Brook at outlet of Davidsons Mill Pond, NJ

Location: Latitude 40° 24' 46", Longitude 74° 29' 57", Middlesex County, Hydrologic Unit 02030105, at bridge on Riva Avenue, at outlet of Davidsons Mill Pond, 0.6 mi upstream from Oakleys Brook.

Drainage area: 15 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01405400, and 01408000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	15	6.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.8
(Apr.-Mar.)	7	1.2
	30	1.6
Winter	1	2.2
(Nov.-Apr.)	7	3.1
	30	4.4

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404400 Oakeys Brook near Patricks Corner, NJ

Location: Latitude 40° 25' 05", Longitude 74° 29' 55", Middlesex County, Hydrologic Unit 02030105, at bridge on Davidsons Mill Road, 0.5 mi upstream from mouth, and 1.2 mi west of Patricks Corner.

Drainage area: 4.75 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01405400, and 01408000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	2.8	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	0.9

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404470 Ireland Brook at Patricks Corner, NJ

Location: Latitude 40° 25' 13", Longitude 74° 29' 04", Middlesex County, Hydrologic Unit 02030105, at bridge on Riva Avenue, 400 ft upstream from mouth, and 0.5 mi southwest of Patricks Corner.

Drainage area: 6.52 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01405400, and 01408000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	6.1	2.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.2
(Nov.-Apr.)	7	1.7
	30	2.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404500 Lawrence Brook at Patricks Corner, NJ

Location: Latitude 40° 25' 26", Longitude 74° 28' 43", Middlesex County, Hydrologic Unit 02030105, on right bank 150 ft upstream from Church Lane Bridge at Patricks Corner, 0.4 mi downstream from Ireland Brook, 2.5 mi upstream fror Farrington Dam, and 2.9 mi southwest of Milltown.

Drainage area: 29 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1922-1926

Remarks: This site has a continuous data record for the period 1922-1926.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1922-1926	41	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1922-1926		
Annual	1	1.5
(Apr.-Mar.)	7	2.0
	30	2.8
Winter	1	2.6
(Nov.-Apr.)	7	3.3
	30	5.5

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01404700 Beaverdam Brook near Patricks Corner, NJ

Location: Latitude 40° 25' 37", Longitude 74° 27' 15", Middlesex County, Hydrologic Unit 02030105, at bridge on Fresh Pond Road, 0.8 mi upstream from mouth, and 1.2 mi east of Patricks Corner.

Drainage area: 1.51 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01405400, and 01408120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	1.3	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405000 Lawrence Brook at Farrington Dam, NJ

Location: Latitude 40° 27' 00", Longitude 74° 27' 04", Middlesex County, Hydrologic Unit 02030105, on left bank 300 ft upstream from Farrington Dam, 0.7 mi southwest of Milltown, and 5.4 mi upstream from mouth.

Drainage area: 34.4 mi²

Station type: Continuous-record gaging station

Period of record: 1927-1990

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1927-1990	39	0.0	2,040	10

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1928-1990		**2**	**5**	**10**	**20**
Annual	1	2.2	0.0	0.0	0.0
(Apr.-Mar.)	7	5.0	0.7	0.0	0.0
	30	7.8	4.4	3.0	0.4
Winter	1	9.5	1.0	0.0	0.0
(Nov.-Apr.)	7	12	3.9	0.3	0.0
	30	21	9.5	4.0	0.6

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1927-1990		**2**	**5**	**10**	**25**
Annual	1	502	790	1,030	1,410
(Oct.-Sept.)	7	186	266	327	413
	30	96	124	140	158
Winter	1	408	594	717	870
(Nov.-Apr.)	7	162	220	257	304
	30	90	115	128	144

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1927-1990																	
Annual	305	213	127	81	50	43	37	28	22	18	15	13	11	7.7	5.4	1.1	0.5
Winter	330	244	153	104	66	57	50	40	33	28	23	20	18	13	9.0	1.1	0.0

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405030 Lawrence Brook at Westons Mills, NJ

Location: Latitude 40° 28' 59", Longitude 74° 24' 44", Middlesex County, Hydrologic Unit 02030105, on left bank at dam on Westons Mill Pond at Westons Mills, 200 ft downstream from bridge on State Route 18, and 1.3 mi upstream from mouth.

Drainage area: 44.9 mi²

Station type: Continuous-record gaging station

Period of record: 1989-2001

Remarks: This site has a continuous data record for the period 1989-2001.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1989-2001	53	0.0	2,200	4.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1990-2001		**2**	**5**	**10**	**20**
Annual	1	0.2	0.0	0.0	0.0
(Apr.-Mar.)	7	4.0	0.2	0.0	0.0
	30	8.6	2.0	0.7	0.2
Winter	1	4.0	0.3	0.0	0.0
(Nov.-Apr.)	7	10	7.0	0.6	0.0
	30	26	11	2.2	1.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1989-2001		**2**	**5**	**10**	**25**
Annual	1	874	1,410	1,790	2,260
(Oct.-Sept.)	7	249	399	507	650
	30	112	158	188	224
Winter	1	603	1,010	1,350	1,860
(Nov.-Apr.)	7	191	311	413	573
	30	105	153	186	227

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1989-2001																	
Annual	505	331	172	99	62	52	46	36	29	24	19	16	14	7.9	4.1	1.6	0.6
Winter	486	349	205	120	75	63	58	46	39	32	26	23	20	13	7.7	3.0	0.4

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405170 Milford Brook at Englishtown, NJ

Location: Latitude 40° 18' 02", Longitude 74° 20' 06", Monmouth County, Hydrologic Unit 02030105, at bridge on Conmack Road, 0.6 mi upstream from McGellairds Brook, 1.2 mi east of Englishtown, and 2.0 mi southwest of Gordons Corn

Drainage area: 4.86 mi²

Station type: Low-flow partial-record station

Period of record: 1982-1991

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01408120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1991	10	4.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1991		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	1.0
Winter	1	1.4
(Nov.-Apr.)	7	1.9
	30	2.7

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405180 Mcgellairds Brook at Englishtown, NJ

Location: Latitude 40° 18' 06", Longitude 74° 21' 25", Monmouth County, Hydrologic Unit 02030105, at bridge on Wilson Avenue in Englishtown, 0.8 mi downstream from Milford Creek, 1.0 mi southeast of Monmouth-Middlesex County Line, and 5.5 mi northeast of Freehold.

Drainage area: 14.9 mi²

Station type: Low-flow partial-record station

Period of record: 1984-1991

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1984-1991	22	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1984-1991		
Annual	1	3.4
(Apr.-Mar.)	7	3.8
	30	4.5
Winter	1	6.0
(Nov.-Apr.)	7	6.9
	30	8.5

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405210 Pine Brook at Clarks Mills, NJ

Location: Latitude 40° 18' 55", Longitude 74° 21' 00", Monmouth County, Hydrologic Unit 02030105, at bridge on Winthrop Drive, 1.3 mi east of Clarks Mills, 1.9 mi upstream from Matchaponix Brook, and 4.8 mi northwest of Freehold.

Drainage area: 4.66 mi²

Station type: Low-flow partial-record station

Period of record: 1982-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01405500, 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1990	6.8	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1990		
Annual	1	1.0
(Apr.-Mar.)	7	1.1
	30	1.4
Winter	1	1.9
(Nov.-Apr.)	7	2.2
	30	2.8

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405240 Matchaponix Brook near Englishtown, NJ

Location: Latitude 40° 19' 21", Longitude 74° 21' 34", Monmouth County, Hydrologic Unit 02030105, at bridge on Union Hill Road, 1.7 mi north of Englishtown, and 2.8 mi northwest of Gordon's Corner.

Drainage area: 29.1 mi²

Station type: Low-flow partial-record station

Period of record: 1977-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01405500, 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1988	44	27

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1988		
Annual	1	8.1
(Apr.-Mar.)	7	9.1
	30	11
Winter	1	15
(Nov.-Apr.)	7	17
	30	21

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405285 Barclay Brook near Englishtown, NJ

Location: Latitude 40° 20' 53", Longitude 74° 21' 26", Middlesex County, Hydrologic Unit 02030105, at bridge on State Route 527, 0.6 mi south of Redshaw Corner, 0.9 mi upstream from mouth, and 3.5 mi north of Englishtown.

Drainage area: 4.94 mi²

Station type: Low-flow partial-record station

Period of record: 1977-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408120, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1988	8.0	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1988		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	1.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405290 Matchaponix Brook at Texas, NJ

Location: Latitude 40° 21' 36", Longitude 74° 22' 13", Middlesex County, Hydrologic Unit 02030105, at bridge on County Route 520 (Texas Road), 0.1 mi east of Texas, and 4.9 mi upstream of Duhernal Lake.

Drainage area: 41.7 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, 01409500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2003	60	41

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2003		
Annual	1	14
(Apr.-Mar.)	7	16
	30	18
Winter	1	22
(Nov.-Apr.)	7	25
	30	30

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405300 Matchaponix Brook at Spotswood, NJ

Location: Latitude 40° 22' 52", Longitude 74° 22' 50", Middlesex County, Hydrologic Unit 02030105, on right bank 0.9 mi southeast of Spotswood, 1.1 mi upstream from confluence with Manalapan Brook, and 2.3 mi southwest of Old Bridge.

Drainage area: 43.9 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1961-1988

Remarks: This site has a continuous data record for the period 1957-1967.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1988	54	38

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1988		
Annual	1	13
(Apr.-Mar.)	7	15
	30	17
Winter	1	21
(Nov.-Apr.)	7	23
	30	27

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405302 Matchaponix Brook at Mundy Avenue at Spotswood, NJ

Location: Latitude 40° 23' 22", Longitude 74° 22' 54", Middlesex County, Hydrologic Unit 02030105, at bridge on Mundy Avenue in Spotswood, 0.2 mi upstream from mouth, 0.5 mi east of DeVow Lake dam, and 3.4 mi southeast of Tanners Corners.

Drainage area: 44.1 mi²

Station type: Low-flow partial-record station

Period of record: 1986-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-2001	49	36

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-2001		
Annual	1	16
(Apr.-Mar.)	7	17
	30	19
Winter	1	23
(Nov.-Apr.)	7	25
	30	28

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405335 Manalapan Brook near Manalapan, NJ

Location: Latitude 40° 16' 45", Longitude 74° 22' 52", Monmouth County, Hydrologic Unit 02030105, at bridge on South Main Street, 1.8 mi northeast of Manalapan, 1.8 mi southwest of Englishtown, and 5.6 mi southeast of Jamesburg.

Drainage area: 16 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1988	27	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1988		
Annual	1	3.3
(Apr.-Mar.)	7	3.7
	30	4.6
Winter	1	6.3
(Nov.-Apr.)	7	7.4
	30	9.4

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405340 Manalapan Brook at Federal Road near Manalapan, NJ

Location: Latitude 40° 17' 46", Longitude 74° 23' 52", Middlesex County, Hydrologic Unit 02030105, at bridge on Federal Road, 2.6 mi north of Manalapan, 3.1 mi southwest of Matchaponix, 3.3 mi downstream from Still House Brook, an 4.1 mi northeast of Applegarth.

Drainage area: 20.9 mi²

Station type: Low-flow partial-record station

Period of record: 1986-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, 01408120, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-2003	35	19

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-2003		
Annual	1	3.8
(Apr.-Mar.)	7	4.3
	30	5.5
Winter	1	8.0
(Nov.-Apr.)	7	9.3
	30	12

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405400 Manalapan Brook at Spotswood, NJ

Location: Latitude 40° 23' 22", Longitude 74° 23' 26", Middlesex County, Hydrologic Unit 02030105, on right bank of DeVoe Lake Dam in Spotswood, 0.1 mi upstream from Cedar Brook, and 0.6 mi upstream from confluence with Matchapon Brook.

Drainage area: 40.7 mi²

Station type: Continuous-record gaging station

Period of record: 1957-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1957-2001	62	0.0	1,390	26

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1958-2001		**2**	**5**	**10**	**20**
Annual	1	9.5	1.0	0.0	0.0
(Apr.-Mar.)	7	15	7.4	4.4	2.7
	30	20	12	8.0	5.0
Winter	1	26	15	8.1	3.7
(Nov.-Apr.)	7	28	21	18	15
	30	39	30	26	23

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1957-2001		**2**	**5**	**10**	**25**
Annual	1	514	790	985	1,240
(Oct.-Sept.)	7	245	333	385	445
	30	132	166	183	202
Winter	1	405	628	788	1,000
(Nov.-Apr.)	7	207	285	333	388
	30	124	158	177	197

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1957-2001																	
Annual	338	259	171	119	82	72	64	54	45	38	31	28	25	18	14	9.0	5.9
Winter	358	285	196	143	99	88	80	67	58	51	44	41	37	29	24	20	17

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405435 Cedar Brook at Spotswood, NJ

Location: Latitude 40° 23' 26", Longitude 74° 23' 30", Middlesex County, Hydrologic Unit 02030105, 50 ft upstream from mouth, in Spotswood, and 4.3 mi south of South River.

Drainage area: 3.85 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2003	7.0	4.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2003		
Annual	1	1.5
(Apr.-Mar.)	7	1.6
	30	1.9
Winter	1	2.4
(Nov.-Apr.)	7	2.8
	30	3.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405440 Manalapan Brook at Bridge Street at Spotswood, NJ

Location: Latitude 40° 23' 26", Longitude 74° 23' 25", Middlesex County, Hydrologic Unit 02030105, at bridge on Bridge Street in Spotswood, 400 ft below DeVoe Lake Dam, and 1.7 mi northeast of Helmetta.

Drainage area: 43.9 mi²

Station type: Low-flow partial-record station

Period of record: 1973-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408120, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-2000	77	45

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-2000		
Annual	1	11
(Apr.-Mar.)	7	13
	30	17
Winter	1	23
(Nov.-Apr.)	7	27
	30	34

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405470 Iresick Brook at East Spotswood, NJ

Location: Latitude 40° 23' 35", Longitude 74° 21' 35", Middlesex County, Hydrologic Unit 02030105, at bridge on County Highway 527 in East Spotswood, 0.6 mi upstream from mouth, and 1.4 mi south of Old Bridge.

Drainage area: 2.29 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408120, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1980	4.1	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.5

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01405500 South River at Old Bridge, NJ

Location: Latitude 40° 24' 22", Longitude 74° 22' 07", Middlesex County, Hydrologic Unit 02030105, on right abutment of Duhernal Dam, 0.6 mi south of Old Bridge, 2.3 mi upstream from Deep Run, and 9.1 mi upstream from mouth.

Drainage area: 94.6 mi²

Station type: Continuous-record gaging station

Period of record: 1939-1989

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1939-1989	142	0.0	3,740	61

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1940-1989		**2**	**5**	**10**	**20**
Annual	1	22	11	7.0	1.5
(Apr.-Mar.)	7	27	13	10	4.5
	30	36	19	13	7.0
Winter	1	50	37	31	26
(Nov.-Apr.)	7	61	45	38	33
	30	85	61	51	44

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1939-1989		**2**	**5**	**10**	**25**
Annual	1	1,380	2,080	2,580	3,240
(Oct.-Sept.)	7	595	829	993	1,210
	30	309	407	470	549
Winter	1	1,110	1,590	1,910	2,330
(Nov.-Apr.)	7	516	694	811	960
	30	291	382	440	512

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1939-1989																	
Annual	909	656	425	286	187	163	144	117	96	79	63	56	49	33	24	16	12
Winter	952	746	497	352	235	203	180	152	130	112	97	90	82	64	54	42	36

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01406000 Deep Run near Browntown, NJ

Location: Latitude 40° 22' 32", Longitude 74° 18' 07", Middlesex County, Hydrologic Unit 02030105, on right bank, 5 feet upstream from highway bridge, 0.7 mi downstream from Middlesex-Monmouth County line and 1.8 mi south of Browntown.

Drainage area: 8.07 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1940-1988

Remarks: This site has a continuous data record for the period 1932-1940.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1940-1988	14	6.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1940-1988		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.1
Winter	1	1.7
(Nov.-Apr.)	7	2.2
	30	3.2

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01406040 Deep Run at Route 516, near Old Bridge, NJ

Location: Latitude 40° 24' 29", Longitude 74° 20' 35", Middlesex County, Hydrologic Unit 02030105, at bridge on County Route 516 (Old Bridge Road), 1.6 mi southeast of Old Bridge, and 1.7 mi upstream of mouth.

Drainage area: 15.6 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01402000, 01408000, 01408120, 01408500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	37	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.3
Winter	1	2.6
(Nov.-Apr.)	7	3.5
	30	5.3

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01406050 Deep Run at Old Bridge, NJ

Location: Latitude 40° 24' 54", Longitude 74° 20' 56", Middlesex County, Hydrologic Unit 02030105, on right end of dam for Deep Run Reservoir, 800 ft upstream of Waterworks Road, 0.9 mi east of Old Bridge, 1.2 mi upstream of mouth, an 3.2 mi south of Sayreville.

Drainage area: 16 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 2000-2003

Remarks: This site has a continuous data record for the period 2000-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2003	49	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2003		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	1.4
(Nov.-Apr.)	7	2.1
	30	3.7

LOWER RARITAN, SOUTH RIVER, AND LAWRENCE BASIN

01406500 Tennent Brook near Browntown, NJ

Location: Latitude 40° 24' 57", Longitude 74° 19' 07", Middlesex County, Hydrologic Unit 02030105, on right bank 1.2 mi northwest of Browntown, 1.5 mi upstream from Tennent Pond Dam, and 2.6 mi upstream from mouth.

Drainage area: 5.25 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1932-1941

Remarks: This site has a continuous data record for the period 1932-1941.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1932-1941	3.4	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1932-1941		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.4

MONMOUTH BASIN

01407000 Matawan Creek at Matawan, NJ

Location: Latitude 40° 24' 56", Longitude 74° 13' 57", Monmouth County, Hydrologic Unit 02030104, at bridge on Ravine Drive in Matawan, at outflow of Lake Lefferts, 4.1 mi southwest of Conaskonk Point, and 3.1 mi northwest of Crawford Corners.

Drainage area: 6.11 mi²

Station type: Continuous-record gaging station

Period of record: 1932-1955

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1932-1955	10	0.0	454	2.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1933-1955		**2**	**5**	**10**	**20**
Annual	1	0.0	0.0	0.0	0.0
(Apr.-Mar.)	7	0.8	0.0	0.0	0.0
	30	2.0	1.2	0.8	0.2
Winter	1	0.0	0.0	0.0	0.0
(Nov.-Apr.)	7	2.9	1.4	0.0	0.0
	30	5.3	3.7	3.1	2.7

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1932-1955		**2**	**5**	**10**	**25**
Annual	1	195	283	347	434
(Oct.-Sept.)	7	56	78	94	115
	30	25	30	33	36
Winter	1	152	206	241	287
(Nov.-Apr.)	7	47	61	71	83
	30	23	28	30	33

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1932-1955																	
Annual	100	69	36	19	11	9.1	8.0	6.5	5.5	4.4	3.4	2.9	2.5	1.7	1.0	0.4	0.2
Winter	111	82	47	28	15	13	11	8.7	7.4	6.3	5.5	5.1	4.6	3.4	2.3	0.0	0.0

MONMOUTH BASIN

01407012 Gravelly Brook at Church Street, at Matawan, NJ

Location: Latitude 40° 24' 27", Longitude 74° 13' 43", Monmouth County, Hydrologic Unit 02030104, at bridge on Church Street, 0.5 mi east of intersection of State Routes 34 and 79 and 0.9 mi upstream of the mouth.

Drainage area: 2.36 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	3.9	2.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	1.1
(Apr.-Mar.)	7	1.2
	30	1.4
Winter	1	1.7
(Nov.-Apr.)	7	1.8
	30	2.1

MONMOUTH BASIN

01407026 Mohingson (Wilkson) Creek at Church Street, at Matawan, NJ

Location: Latitude 40° 24' 24", Longitude 74° 13' 17", Monmouth County, Hydrologic Unit 02030104, at bridge on Church Street, 0.7 mi east of Matawan, 2.2 mi southwest of Keyport and 2.6 mi upstream of mouth.

Drainage area: 1.7 mi^2

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	2.6	2.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	1.1
(Apr.-Mar.)	7	1.1
	30	1.2
Winter	1	1.4
(Nov.-Apr.)	7	1.5
	30	1.7

MONMOUTH BASIN

01407055 East Creek at North Centerville, NJ

Location: Latitude 40° 25' 32", Longitude 74° 09' 57", Monmouth County, Hydrologic Unit 02030104, at bridge on Middle Road, 0.2 mi west of intersection of Union Road and Middle Road North Centerville, and 2.0 mi upstream from the mouth.

Drainage area: 1.33 mi²

Station type: Low-flow partial-record station

Period of record: 1969-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-1993	2.7	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-1993		
Annual	1	0.7
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.1
	30	1.3

MONMOUTH BASIN

01407065 Mahoras Brook at Hendrickson Corners, NJ

Location: Latitude 40° 24' 40", Longitude 74° 08' 21", Monmouth County, Hydrologic Unit 02030104, at bridge on State Route 35, 0.2 mi west of Hendrickson Corners, and 0.8 mi upstream of mouth.

Drainage area: 3.39 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	5.3	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.9
(Apr.-Mar.)	7	1.0
	30	1.2
Winter	1	1.6
(Nov.-Apr.)	7	1.8
	30	2.2

MONMOUTH BASIN

01407070 Waackaack Creek near Keansburg, NJ

Location: Latitude 40° 25' 23", Longitude 74° 08' 11", Monmouth County, Hydrologic Unit 02030104, at bridge on Middle Road, at community of Phillips Mills, 1.45 mi south of Keansburg and 3.1 mi upstream from mouth.

Drainage area: 4.3 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	12	7.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	1.5
(Apr.-Mar.)	7	1.7
	30	2.1
Winter	1	2.8
(Nov.-Apr.)	7	3.3
	30	4.1

MONMOUTH BASIN

01407102 Town Brook at Church Street, at New Monmouth, NJ

Location: Latitude 40° 24' 52", Longitude 74° 05' 59", Monmouth County, Hydrologic Unit 02030104, at bridge on Church Street, at New Monmouth, 0.2 mi upstream from mouth, and 1.1 mi south of Port Monmouth.

Drainage area: 3.35 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	7.3	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	0.8
(Apr.-Mar.)	7	0.9
	30	1.2
Winter	1	1.6
(Nov.-Apr.)	7	1.9
	30	2.4

MONMOUTH BASIN

01407200 Hop Brook at Holmdel, NJ

Location: Latitude 40° 20' 41", Longitude 74° 10' 28", Monmouth County, Hydrologic Unit 02030104, at bridge on County Route 520, 0.5 mi east of its intersection with South Street in Holmdel and 1.7 mi downstream from Big Brook.

Drainage area: 5.72 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01407760, 01408000, and 01408120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	9.0	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	1.8
(Apr.-Mar.)	7	2.2
	30	2.9
Winter	1	2.7
(Nov.-Apr.)	7	3.3
	30	4.3

MONMOUTH BASIN

01407250 Willow Brook at Holmdel, NJ

Location: Latitude 40° 20' 17", Longitude 74° 11' 13", Monmouth County, Hydrologic Unit 02030104, at bridge on South Street, 0.5mi south of its intersection with County Route 520 in Holmdel, and 1.9 mi upstream from Hop Brook.

Drainage area: 6.88 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	11	7.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	1.8
(Apr.-Mar.)	7	2.0
	30	2.4
Winter	1	3.3
(Nov.-Apr.)	7	3.7
	30	4.5

MONMOUTH BASIN

01407300 Big Brook at Vanderburg, NJ

Location: Latitude 40° 19' 32", Longitude 74° 11' 18", Monmouth County, Hydrologic Unit 02030104, at bridge on State Route 34 at its intersection with Conover Road, 0.8 mi north of Vanderburg and 1.8 mi upstream from Hop Brook.

Drainage area: 8.41 mi²

Station type: Low-flow partial-record station

Period of record: 1969-1988

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-1988	14	9.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-1988		
Annual	1	2.5
(Apr.-Mar.)	7	2.7
	30	3.3
Winter	1	4.5
(Nov.-Apr.)	7	4.9
	30	5.9

MONMOUTH BASIN

01407400 Yellow Brook at Colts Neck, NJ

Location: Latitude 40° 17' 47", Longitude 74° 10' 15", Monmouth County, Hydrologic Unit 02030104, at bridge on Creamery Road, 0.3 mi upstream from Mine Brook, and 0.7 mi north of Colts Neck.

Drainage area: 9.71 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	17	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	3.3
(Apr.-Mar.)	7	3.6
	30	4.3
Winter	1	5.4
(Nov.-Apr.)	7	6.1
	30	7.3

MONMOUTH BASIN

01407450 Mine Brook at Colts Neck, NJ

Location: Latitude 40° 17' 29", Longitude 74° 10' 10", Monmouth County, Hydrologic Unit 02030104, at bridge on Creamery Road, 0.4 mi northeast of Colts Neck and 0.5 mi upstream from Yellow Brook.

Drainage area: 5.48 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	8.7	4.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	1.0
(Apr.-Mar.)	7	1.2
	30	1.5
Winter	1	2.0
(Nov.-Apr.)	7	2.5
	30	3.2

MONMOUTH BASIN

01407500 Swimming River near Red Bank, NJ

Location: Latitude 40° 19' 09", Longitude 74° 06' 58", Monmouth County, Hydrologic Unit 02030104, on left bank 50 ft upstream from spillway at Swimming River Reservoir, 3.3 mi southwest of Red Bank, and 4.8 mi upstream from mouth.

Drainage area: 49.2 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	62	0.0	3,050	3.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	0.9	0.0	0.0	0.0
(Apr.-Mar.)	7	3.5	0.0	0.0	0.0
	30	11	0.0	0.0	0.0
Winter	1	19	0.0	0.0	0.0
(Nov.-Apr.)	7	25	0.8	0.0	0.0
	30	36	14	3.0	0.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	693	1,120	1,470	1,980
(Oct.-Sept.)	7	262	376	453	552
	30	145	196	225	256
Winter	1	576	917	1,160	1,490
(Nov.-Apr.)	7	232	331	390	458
	30	136	187	216	248

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	432	302	180	125	86	77	68	55	45	36	26	21	14	0.9	0.4	0.2	0.1
Winter	489	358	223	153	108	97	86	73	62	51	42	38	32	17	3.8	0.0	0.0

MONMOUTH BASIN

01407532 Poricy Brook at Red Bank, NJ

Location: Latitude 40° 21' 25", Longitude 74° 05' 17", Monmouth County, Hydrologic Unit 02030104, at bridge on Navesink River Road, 200 feet downstream of Poricy Pond, 0.4 mi upstream of mouth and one mile northwest of Red Bank.

Drainage area: 2.54 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	6.0	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	0.6
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.2
(Nov.-Apr.)	7	1.4
	30	1.9

MONMOUTH BASIN

01407618 Whale Pond Brook near Oakhurst, NJ

Location: Latitude 40° 16' 35", Longitude 74° 00' 10", Monmouth County, Hydrologic Unit 02030104, at bridge on Norwood Avenue, 0.6 mi upstream of Lake Takanassee and 0.8 mi northeast of Oakhurst.

Drainage area: 6.2 mi²

Station type: Low-flow partial-record station

Period of record: 1989-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-1997	11	7.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-1997		
Annual	1	2.4
(Apr.-Mar.)	7	2.6
	30	3.0
Winter	1	3.8
(Nov.-Apr.)	7	4.3
	30	5.1

MONMOUTH BASIN

01407628 Poplar Brook near Deal, NJ

Location: Latitude 40° 15' 24", Longitude 74° 00' 40", Monmouth County, Hydrologic Unit 02030104, at bridge on Monmouth Road, 0.7 mi west of Deal, 1.0 mil south of Oakhurst and 1.3 mi upstream of mouth.

Drainage area: 2.49 mi²

Station type: Low-flow partial-record station

Period of record: 1989-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-1997	5.0	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-1997		
Annual	1	1.1
(Apr.-Mar.)	7	1.1
	30	1.4
Winter	1	1.7
(Nov.-Apr.)	7	1.9
	30	2.3

MONMOUTH BASIN

01407636 Harvey Brook at West Allenhurst, NJ

Location: Latitude 40° 14' 36", Longitude 74° 00' 50", Monmouth County, Hydrologic Unit 02030104, at culvert on Monmouth Road, 0.7 mi west of Deal, 1.6 mi north of Asbury Park and 1.6 mi upstream of dam on Deal Lake.

Drainage area: 1.99 mi²

Station type: Low-flow partial-record station

Period of record: 1989-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-1997	3.4	2.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-1997		
Annual	1	0.5
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.0
	30	1.3

MONMOUTH BASIN

01407700 Shark River at Glendola, NJ

Location: Latitude 40° 12' 10", Longitude 74° 04' 52", Monmouth County, Hydrologic Unit 02030104, at bridge on Gully Road 0.5 mi upstream from Robins Swamp Brook, 0.8 mi north of Glendola, and 2.8 mi west of Neptune City.

Drainage area: 9.14 mi²

Station type: Low-flow partial-record station

Period of record: 1956-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1956-2002	15	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1956-2002		
Annual	1	4.6
(Apr.-Mar.)	7	4.9
	30	5.4
Winter	1	6.5
(Nov.-Apr.)	7	7.1
	30	8.1

MONMOUTH BASIN

01407705 Shark River near Neptune City, NJ

Location: Latitude 40° 11' 55", Longitude 74° 04' 13", Monmouth County, Hydrologic Unit 02030104, on left bank 100 ft upstream from bridge on Remsen Mill Road, 0.3 mi downstream from Robins Swamp Brook, and 1.7 mi west of Neptune City.

Drainage area: 9.96 mi²

Station type: Continuous-record gaging station

Period of record: 1967-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1967-2001	14	0.0	560	5.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1968-2001		**2**	**5**	**10**	**20**
Annual	1	1.4	0.6	0.3	0.1
(Apr.-Mar.)	7	2.1	1.4	1.1	0.9
	30	3.4	2.3	1.8	1.5
Winter	1	2.4	1.2	0.8	0.5
(Nov.-Apr.)	7	3.7	2.4	1.8	1.5
	30	6.4	4.2	3.3	2.7

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1967-2001		**2**	**5**	**10**	**25**
Annual	1	204	313	389	489
(Oct.-Sept.)	7	66	95	113	133
	30	34	47	55	64
Winter	1	160	252	322	417
(Nov.-Apr.)	7	56	79	94	111
	30	31	45	54	65

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1967-2001																	
Annual	121	86	47	28	18	16	14	11	8.1	6.4	4.9	4.4	3.8	2.6	2.0	1.4	1.0
Winter	130	99	58	34	22	19	17	14	12	9.2	7.2	6.3	5.5	3.9	2.9	2.1	1.6

MONMOUTH BASIN

01407755 Jumping Brook above reservior, near Neptune City, NJ

Location: Latitude 40° 12' 30", Longitude 74° 04' 11", Monmouth County, Hydrologic Unit 02030104, at bridge on State Route 33, 0.2 mi upstream of Jumping Brook Reservoir, and 2.3 mi west of Neptune City.

Drainage area: 5.58 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2002	7.9	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.0
Winter	1	1.5
(Nov.-Apr.)	7	1.8
	30	2.3

MONMOUTH BASIN

01407760 Jumping Brook near Neptune City, NJ

Location: Latitude 40° 12' 13", Longitude 74° 03' 56", Monmouth County, Hydrologic Unit 02030104, on left bank 60 ft downstream from dam on Jumping Brook Reservoir, 0.8 mi upstream from mouth, and 1.4 mi west of Neptune City.

Drainage area: 6.46 mi²

Station type: Continuous-record gaging station

Period of record: 1967-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1967-2001	10	0.1	954	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1968-2001		**2**	**5**	**10**	**20**
Annual	1	1.2	0.6	0.4	0.3
(Apr.-Mar.)	7	1.6	1.0	0.8	0.6
	30	2.6	1.7	1.4	1.1
Winter	1	2.6	1.5	1.0	0.7
(Nov.-Apr.)	7	3.0	2.0	1.5	1.1
	30	4.4	3.2	2.7	2.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1967-2001		**2**	**5**	**10**	**25**
Annual	1	230	428	592	839
(Oct.-Sept.)	7	56	95	126	169
	30	24	40	51	68
Winter	1	140	303	477	802
(Nov.-Apr.)	7	38	71	101	154
	30	20	34	46	65

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1967-2001																	
Annual	88	56	29	19	11	8.9	7.8	6.2	5.0	4.0	3.4	3.0	2.7	2.0	1.5	1.0	0.6
Winter	90	61	35	21	13	11	9.3	7.6	6.4	5.4	4.5	4.1	3.7	2.9	2.4	1.9	1.5

MONMOUTH BASIN

01407780 Polly Pond Brook at South Belmar, NJ

Location: Latitude 40° 10' 00", Longitude 74° 01' 39", Monmouth County, Hydrologic Unit 02030104, at culvert on F Street at South Belmar, 50 ft upstream from Lake Como, and 0.6 mi upstream from mouth.

Drainage area: 0.99 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2001	1.8	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2001		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	0.7

MONMOUTH BASIN

01407800 Wreck Pond Brook near Spring Lake, NJ

Location: Latitude 40° 09' 11", Longitude 74° 03' 41", Monmouth County, Hydrologic Unit 02030104, at Osborne Pond Dam, 1.1 mi above Hannabrand Brook and 1.7 mi west of Spring Lake.

Drainage area: 7 mi²

Station type: Low-flow partial-record station

Period of record: 1956-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1956-2002	11	7.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1956-2002		
Annual	1	3.1
(Apr.-Mar.)	7	3.3
	30	3.7
Winter	1	4.5
(Nov.-Apr.)	7	5.0
	30	5.8

MONMOUTH BASIN

01407806 Hannabrand Brook at Old Mill Road, near Spring Lake Heights, NJ

Location: Latitude 40° 08' 36", Longitude 74° 03' 12", Monmouth County, Hydrologic Unit 02030104, at highway bridge on U.S. Route 9, 0.3 mile north of County Line Road in Lakewood, and 3.6 mi above Muddy Ford Brook.

Drainage area: 3.13 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2002	5.4	3.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2002		
Annual	1	1.6
(Apr.-Mar.)	7	1.7
	30	1.9
Winter	1	2.3
(Nov.-Apr.)	7	2.6
	30	2.9

MONMOUTH BASIN

01407830 Manasquan River near Georgia, NJ

Location: Latitude 40° 12' 36", Longitude 74° 16' 40", Monmouth County, Hydrologic Unit 02040301, at culvert near Georgia on Jackson Mills Road, 0.5 mi above Debois Creek, 0.9 mi southwest of intersection of Jackson Mill Road with Stat Route 524, and 1.3 mi southwest of Adelphia.

Drainage area: 10.6 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1990	13	7.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1990		
Annual	1	1.7
(Apr.-Mar.)	7	1.9
	30	2.3
Winter	1	3.1
(Nov.-Apr.)	7	3.6
	30	4.5

MONMOUTH BASIN

01407860 Debois Creek at Adelphia, NJ

Location: Latitude 40° 13' 02", Longitude 74° 15' 49", Monmouth County, Hydrologic Unit 02040301, at bridge on US Route 9, 0.4 mi west of Adelphia, and 0.9 mi upstream from mouth.

Drainage area: 7.21 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01408120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	15	10.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	1.6
(Apr.-Mar.)	7	3.7
	30	4.7
Winter	1	5.4
(Nov.-Apr.)	7	6.9
	30	8.3

MONMOUTH BASIN

01407900 Manasquan River at West Farms, NJ

Location: Latitude 40° 11' 34", Longitude 74° 11' 43", Monmouth County, Hydrologic Unit 02040301, at highway bridge, 0.3 mi east of West Farms.

Drainage area: 33.5 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	57	38

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	13
(Apr.-Mar.)	7	14
	30	16
Winter	1	19
(Nov.-Apr.)	7	22
	30	26

MONMOUTH BASIN

01407970 Timber Swamp Creek near Farmingdale, NJ

Location: Latitude 40° 10' 46", Longitude 74° 11' 21", Monmouth County, Hydrologic Unit 02040301, at bridge on light-duty road 1.0 mi upstream from mouth and 1.6 mi southwest of Farmingdale.

Drainage area: 3.38 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01405400, 01408000, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1972	4.1	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1972		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.7
	30	0.9

MONMOUTH BASIN

01408000 Manasquan River at Squankum, NJ

Location: Latitude 40° 09' 41", Longitude 74° 09' 17", Monmouth County, Hydrologic Unit 02040301, on right bank 50 ft upstream from northbound bridge on County Highway 547 (Squankum Park Road) in Squankum, and 0.4 mi downstream from Marsh Bog Brook.

Drainage area: 44 mi²

Station type: Continuous-record gaging station

Period of record: 1932-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1932-2001	74	10	1,720	47

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1933-2001		**2**	**5**	**10**	**20**
Annual	1	22	18	15	14
(Apr.-Mar.)	7	24	19	17	15
	30	28	22	19	17
Winter	1	34	26	22	19
(Nov.-Apr.)	7	37	30	26	24
	30	48	37	31	28

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1932-2001		**2**	**5**	**10**	**25**
Annual	1	701	1,000	1,190	1,410
(Oct.-Sept.)	7	267	363	423	494
	30	149	196	224	257
Winter	1	572	836	1,010	1,220
(Nov.-Apr.)	7	234	323	378	444
	30	141	188	217	252

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1932-2001																	
Annual	426	305	191	135	94	84	77	64	55	47	39	36	33	26	23	19	17
Winter	471	345	224	158	112	101	92	79	70	62	54	50	46	38	33	28	25

MONMOUTH BASIN

01408015 Mingamahone Brook at Farmingdale, NJ

Location: Latitude 40° 11' 38", Longitude 74° 09' 41", Monmouth County, Hydrologic Unit 02040301, at bridge on Belmar Road in Farmingdale and 3.0 mi upstream from mouth.

Drainage area: 6.2 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	12	7.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	1.7
(Apr.-Mar.)	7	1.9
	30	2.3
Winter	1	3.0
(Nov.-Apr.)	7	3.5
	30	4.3

MONMOUTH BASIN

01408020 Mingamahone Brook at Squankum, NJ

Location: Latitude 40° 09' 56", Longitude 74° 09' 00", Monmouth County, Hydrologic Unit 02040301, at bridge on State Route 524 at Squankum 0.2 mi east of State Route 547, and 0.5 mi upstream from mouth.

Drainage area: 10.7 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1974	16	9.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1974		
Annual	1	1.8
(Apr.-Mar.)	7	2.0
	30	2.4
Winter	1	3.3
(Nov.-Apr.)	7	4.0
	30	5.1

MONMOUTH BASIN

01408029 Manasquan River near Allenwood, NJ

Location: Latitude 40° 08' 48", Longitude 74° 07' 22", Monmouth County, Hydrologic Unit 02040301, on left bank just downstream from pumping station of Manasquan Water Supply System, 1400 ft upstream from Hospital Road, 1.1 n west of Allenwood, 1.2 mi downstream from Mill Run, 2.2 mi east of Squankum, and 7.9 mi upstream of mouth.

Drainage area: 63.3 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1988-2003

Remarks: This site has a continuous data record for the period 1990-2001.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1988-2003	94	47

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1988-2003		
Annual	1	8.4
(Apr.-Mar.)	7	9.7
	30	12
Winter	1	15
(Nov.-Apr.)	7	19
	30	25

MONMOUTH BASIN

01408030 Manasquan River at Allenwood, NJ

Location: Latitude 40° 08' 35", Longitude 74° 07' 02", Monmouth County, Hydrologic Unit 02040301, at bridge on Hospital Road, 0.7 mi above Garden State Parkway, 0.9 mi west of Allenwood and 1.5 mi downstream from Mill Run.

Drainage area: 63.9 mi²

Station type: Low-flow partial-record station

Period of record: 1956-1995

Remarks: Low-flow frequency estimates are based on correlation with gaging station 01408000. The correlation is considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1956-1995	102	66

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1956-1995		
Annual	1	22
(Apr.-Mar.)	7	24
	30	27
Winter	1	32
(Nov.-Apr.)	7	37
	30	44

BARNEGAT BAY BASIN

01408100 North Branch Metedeconk River at Lakewood, NJ

Location: Latitude 40° 06' 35", Longitude 74° 13' 09", Ocean County, Hydrologic Unit 02040301, at highway bridge on U.S. Route 9, 0.3 mi north of County Line Road in Lakewood, and 3.6 mi upstream from Muddy Ford Brook.

Drainage area: 19.4 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	31	20

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	5.6
(Apr.-Mar.)	7	6.1
	30	7.3
Winter	1	9.7
(Nov.-Apr.)	7	11
	30	13

BARNEGAT BAY BASIN

01408120 North Branch Metedeconk River near Lakewood, NJ

Location: Latitude 40° 05' 30", Longitude 74° 09' 09", Ocean County, Hydrologic Unit 02040301, on upstream right bank at bridge on County Route 549 (Lanes Mill Road) at Lanes Mills, 1.0 mi upstream from confluence with South Branch Metedeconk River, and 2.3 mi east of Lakewood.

Drainage area: 34.9 mi²

Station type: Continuous-record gaging station

Period of record: 1973-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1973-2001	60	10	838	40

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1974-2001		**2**	**5**	**10**	**20**
Annual	1	28	13	12	11
(Apr.-Mar.)	7	18	14	13	12
	30	25	18	16	14
Winter	1	28	24	22	20
(Nov.-Apr.)	7	32	26	23	22
	30	40	31	28	25

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1973-2001		**2**	**5**	**10**	**25**
Annual	1	417	571	663	767
(Oct.-Sept.)	7	192	265	311	366
	30	116	157	182	209
Winter	1	327	512	644	818
(Nov.-Apr.)	7	170	247	297	357
	30	110	154	181	214

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1973-2001																	
Annual	287	224	150	111	81	72	65	54	46	39	34	31	28	22	19	16	14
Winter	311	251	177	131	96	86	78	66	58	50	44	40	38	32	28	25	23

BARNEGAT BAY BASIN

01408140 South Branch Metedeconk River at Lakewood, NJ

Location: Latitude 40° 05' 12", Longitude 74° 12' 44", Ocean County, Hydrologic Unit 02040301, on right bank 15 ft upstream from bridge on State Route 88 (Cedar Bridge Avenue), 0.2 mi downstream from Lake Carasaljo, and 0.3 mi south of Lakewood.

Drainage area: 26 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1974-1976

Remarks: This site has a continuous data record for the period 1973-1976.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-1976	51	35

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-1976		
Annual	1	11
(Apr.-Mar.)	7	12
	30	14
Winter	1	18
(Nov.-Apr.)	7	21
	30	25

BARNEGAT BAY BASIN

01408150 South Branch Metedeconk River near Lakewood, NJ

Location: Latitude 40° 05' 09", Longitude 74° 11' 08", Ocean County, Hydrologic Unit 02040301, at outlet of Lake Shenandoah, 0.2 mi upstream from New Hampshire Avenue and 0.8mi east of Lakewood.

Drainage area: 27.5 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1965-2002

Remarks: This site has a continuous data record for the period 1992-1999.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2002	58	42

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2002		
Annual	1	16
(Apr.-Mar.)	7	17
	30	20
Winter	1	25
(Nov.-Apr.)	7	27
	30	31

BARNEGAT BAY BASIN

01408300 Toms River at Whitesville, NJ

Location: Latitude 40° 03' 42", Longitude 74° 16' 28", Ocean County, Hydrologic Unit 02040301, at highway bridge on State Route 547 0.5 mi south of Whitesville, 1.0 mi west of Lakewood and 4.0 mi northeast of Lakehurst.

Drainage area: 45.2 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1966

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1966	69	47

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1966		
Annual	1	15
(Apr.-Mar.)	7	16
	30	18
Winter	1	24
(Nov.-Apr.)	7	27
	30	32

BARNEGAT BAY BASIN

01408440 Union Brook at Lakehurst, NJ

Location: Latitude 40° 00' 34", Longitude 74° 18' 05", Ocean County, Hydrologic Unit 02040301, at bridge on State Route 37, 150 ft upstream from Manapaqua Brook, and 0.6 mi southeast of Lakehurst.

Drainage area: 19 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	43	31

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	12
(Apr.-Mar.)	7	13
	30	14
Winter	1	16
(Nov.-Apr.)	7	18
	30	21

BARNEGAT BAY BASIN

01408460 Manapaqua Brook at Lakehurst, NJ

Location: Latitude 40° 00' 44", Longitude 74° 18' 09", Ocean County, Hydrologic Unit 02040301, at bridge on State Route 70, 0.2 mi above mouth, and 0.5 mi east of Lakehurst.

Drainage area: 6.32 mi²

Station type: Low-flow partial-record station

Period of record: 1960-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	9.0	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	1.5
(Apr.-Mar.)	7	1.7
	30	1.9
Winter	1	2.4
(Nov.-Apr.)	7	2.8
	30	3.3

BARNEGAT BAY BASIN

01408490 Ridgeway Branch near Lakehurst, NJ

Location: Latitude 40° 01' 57", Longitude 74° 18' 23", Ocean County, Hydrologic Unit 02040301, at bridge on County Route 547, 1.4 mi north of Lakehurst, and 2.2 mi upstream from Cabin Branch.

Drainage area: 28.2 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	67	31

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	3.6
(Apr.-Mar.)	7	4.3
	30	5.8
Winter	1	9.7
(Nov.-Apr.)	7	12
	30	17

BARNEGAT BAY BASIN

01408500 Toms River near Toms River, NJ

Location: Latitude 39° 59' 11", Longitude 74° 13' 24", Ocean County, Hydrologic Unit 02040301, on left bank 500 ft downstream from bridge on County Route 527 (Oak Ridge Parkway), 1.9 mi downstream from Union Branch, and 2. mi northwest of community of Toms River.

Drainage area: 123 mi²

Station type: Continuous-record gaging station

Period of record: 1929-2001

Remarks: Regulation since 1966 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1929-1966	207	47	1,910	164
1967-2001	216	43	1,800	164

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1930-1966		**2**	**5**	**10**	**20**
Annual	1	80	67	62	59
(Apr.-Mar.)	7	84	71	66	63
	30	97	80	73	68
Winter	1	124	104	95	88
(Nov.-Apr.)	7	134	112	102	93
	30	160	130	115	103
1968-2001		**2**	**5**	**10**	**20**
Annual	1	81	67	56	50
(Apr.-Mar.)	7	86	68	59	53
	30	101	79	68	60
Winter	1	118	96	87	81
(Nov.-Apr.)	7	128	106	97	91
	30	156	124	111	102

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1929-1966		**2**	**5**	**10**	**25**
Annual	1	666	916	1,100	1,340
(Oct.-Sept.)	7	496	616	690	779
	30	345	413	455	505
Winter	1	566	740	858	1,010
(Nov.-Apr.)	7	445	544	605	681
	30	324	390	433	487
1967-2001		**2**	**5**	**10**	**25**
Annual	1	835	916	1,470	1,770
(Oct.-Sept.)	7	584	789	907	1,040
	30	386	505	571	644
Winter	1	640	962	1,190	1,480
(Nov.-Apr.)	7	492	789	795	929
	30	354	505	549	635

BARNEGAT BAY BASIN

01408500 Toms River near Toms River, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1929-1966																	
Annual	644	527	435	350	283	256	242	214	186	163	142	132	121	96	82	67	62
Winter	595	533	439	370	307	288	271	243	221	202	183	174	164	137	121	105	97
1967-2001																	
Annual	740	639	492	372	300	264	246	214	183	161	140	130	119	96	83	67	61
Winter	731	645	522	419	331	303	281	248	222	197	175	164	154	131	117	102	95

BARNEGAT BAY BASIN

01408592 Wrangel Brook at Mule Road, near Toms River, NJ

Location: Latitude 39° 57' 53", Longitude 74° 14' 38", Ocean County, Hydrologic Unit 02040301, at bridge on Mule Road in Berkeley Township, 2.7 mi upstream from mouth, and 2.7 mi west of Toms River.

Drainage area: 14.3 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2002	36	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2002		
Annual	1	16
(Apr.-Mar.)	7	17
	30	18
Winter	1	21
(Nov.-Apr.)	7	22
	30	24

BARNEGAT BAY BASIN

01408620 Davenport Branch near Dover Forge, NJ

Location: Latitude 39° 56' 29", Longitude 74° 17' 48", Ocean County, Hydrologic Unit 02040301, at bridge on County Route 530 (Pinewald Road), 2.2 mi north of Dover Forge, 2.3 mi east of Keswick Grove, and 3.0 mi northeast of Cedar Crest.

Drainage area: 7.41 mi²

Station type: Low-flow partial-record station

Period of record: 1994-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, 01464500, 01466500, and 01467000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1994-2002	20	9.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1994-2002		
Annual	1	1.1
(Apr.-Mar.)	7	1.3
	30	1.7
Winter	1	2.5
(Nov.-Apr.)	7	3.1
	30	4.2

BARNEGAT BAY BASIN

01408728 Long Swamp Creek at Toms River, NJ

Location: Latitude 39° 57' 14", Longitude 74° 09' 58", Ocean County, Hydrologic Unit 02040301, at bridge on Washington Street in Dover Township at Toms Riverand 0.3 mi upstream from mouth.

Drainage area: 6.53 mi²

Station type: Low-flow partial-record station

Period of record: 1994-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, and 01408500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1994-2000	3.0	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1994-2000		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.6

BARNEGAT BAY BASIN

01408800 Webbs Mill Branch near Whiting, NJ

Location: Latitude 39° 53' 16", Longitude 74° 22' 48", Ocean County, Hydrologic Unit 02040301, at bridge on County Highway 539, 0.5 mi upstream from Webbs Mill Branch tributary at Webbs Mill, and 4.5 mi south of Whiting.

Drainage area: 2.92 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01410000, and 01466500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	5.4	4.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	1.4
(Apr.-Mar.)	7	1.6
	30	1.8
Winter	1	2.1
(Nov.-Apr.)	7	2.2
	30	2.5

BARNEGAT BAY BASIN

01408810 Webbs Mill Branch tributary near Whiting, NJ

Location: Latitude 39° 53' 29", Longitude 74° 22' 51", Ocean County, Hydrologic Unit 02040301, at bridge on County Highway 539, 0.4 mi upstream from mouth, and 4.3 mi south of Whiting.

Drainage area: 0.53 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01466500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1977	0.3	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1977		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

BARNEGAT BAY BASIN

01408830 Cedar Creek at Cedar Crest, NJ

Location: Latitude 39° 53' 50", Longitude 74° 18' 59", Ocean County, Hydrologic Unit 02040301, at bridge on Whiting-Lacey Road in Cedar Crest, 0.2 mi downstream from outlet of Bamber Lake, and 3.7 mi southeast of Keswick Grove.

Drainage area: 20.1 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	44	34

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	17
(Apr.-Mar.)	7	17
	30	19
Winter	1	23
(Nov.-Apr.)	7	24
	30	27

BARNEGAT BAY BASIN

01409000 Cedar Creek at Lanoka Harbor, NJ

Location: Latitude 39° 52' 03", Longitude 74° 10' 09", Ocean County, Hydrologic Unit 02040301, at bridge on U.S. Route 9 and at village of Lanoka Harbor.

Drainage area: 53.3 mi²

Station type: Continuous-record gaging station

Period of record: 1932-1971

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1932-1971	107	13	996	86

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1933-1971		**2**	**5**	**10**	**20**
Annual	1	20	15	14	12
(Apr.-Mar.)	7	46	38	35	32
	30	61	52	47	44
Winter	1	25	19	17	15
(Nov.-Apr.)	7	58	48	44	41
	30	79	67	62	58

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1932-1971		**2**	**5**	**10**	**25**
Annual	1	305	440	563	764
(Oct.-Sept.)	7	221	301	362	447
	30	157	198	226	262
Winter	1	273	329	362	401
(Nov.-Apr.)	7	200	241	265	293
	30	148	178	197	220

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1932-1971																	
Annual	303	260	207	179	143	134	125	107	96	85	76	72	68	55	47	35	26
Winter	271	243	207	180	151	140	133	120	110	100	90	86	81	68	60	46	31

BARNEGAT BAY BASIN

01409050 North Branch Forked River near Forked River, NJ

Location: Latitude 39° 51' 27", Longitude 74° 13' 20", Ocean County, Hydrologic Unit 02040301, at bridge on northbound lane of Garden State Parkway, 2.0 mi northwest of Forked River, and 3.1 mi upstream from mouth.

Drainage area: 13.4 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1965

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, and 01410000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1965	19	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1965		
Annual	1	4.2
(Apr.-Mar.)	7	5.0
	30	5.9
Winter	1	7.2
(Nov.-Apr.)	7	8.0
	30	9.4

BARNEGAT BAY BASIN

01409080 South Branch Forked River near Forked River, NJ

Location: Latitude 39° 48' 56", Longitude 74° 13' 49", Ocean County, Hydrologic Unit 02040301, at culvert on southbound lane of Garden State Parkway at mile marker 71.9, 1.4 mi north of State Route 532, 2.6 mi southwest of Forked Riv and 3.7 mi above mouth.

Drainage area: 1.28 mi²

Station type: Low-flow partial-record station

Period of record: 1968-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408500, 01409400, 01409500, 01410000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1974	4.2	3.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1974		
Annual	1	2.1
(Apr.-Mar.)	7	2.3
	30	2.5
Winter	1	2.7
(Nov.-Apr.)	7	2.8
	30	3.0

BARNEGAT BAY BASIN

01409095 Oyster Creek near Brookville, NJ

Location: Latitude 39° 47' 54", Longitude 74° 15' 01", Ocean County, Hydrologic Unit 02040301, at bridge on northbound lane of Garden State Parkway, 2.0 mi northwest of Forked River, and 3.1 mi upstream from mouth.

Drainage area: 7.43 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1968-1985

Remarks: This site has a continuous data record for the period 1966-1985.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1985	28	24

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1985		
Annual	1	13
(Apr.-Mar.)	7	14
	30	15
Winter	1	17
(Nov.-Apr.)	7	17
	30	19

BARNEGAT BAY BASIN

01409100 Oyster Creek near Waretown, NJ

Location: Latitude 39° 48' 14", Longitude 74° 13' 54", Ocean County, Hydrologic Unit 02040301, at culvert under northbound lane of Garden State Parkway, 2.1 mi northwest of Waretown, 3.5 mi north of Barnegat, and 3.9 mi above mouth.

Drainage area: 9.95 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1965

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, and 01410000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1965	38	32

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1965		
Annual	1	17
(Apr.-Mar.)	7	19
	30	20
Winter	1	23
(Nov.-Apr.)	7	24
	30	26

BARNEGAT BAY BASIN

01409150 Mill Creek near Manahawkin, NJ

Location: Latitude 39° 42' 54", Longitude 74° 16' 55", Ocean County, Hydrologic Unit 02040301, at bridge on State Route 72, 0.3 mi northwest of intersection of State Route 72 and Garden State Parkway, 1.8 mi northwest of Manahawkin, and 6.5 mi above mouth.

Drainage area: 10.4 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01410000, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	21	19

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	10
(Apr.-Mar.)	7	11
	30	12
Winter	1	13
(Nov.-Apr.)	7	14
	30	15

BARNEGAT BAY BASIN

01409200 Fourmile Branch near Manahawkin, NJ

Location: Latitude 39° 43' 47", Longitude 74° 15' 53", Ocean County, Hydrologic Unit 02040301, at culvert under northbound lane of Garden State Parkway, 1.5 mi northeast of intersection of Garden State Parkway and State Route 72, 1.8 mi above mouth, and 2.4 mi north of Manahawkin.

Drainage area: 5.24 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01410000, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1967	7.8	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1967		
Annual	1	1.4
(Apr.-Mar.)	7	1.7
	30	2.0
Winter	1	2.6
(Nov.-Apr.)	7	2.9
	30	3.5

BARNEGAT BAY BASIN

01409250 Cedar Run near Manahawkin, NJ

Location: Latitude 39° 41' 31", Longitude 74° 17' 55", Ocean County, Hydrologic Unit 02040301, at culvert under northbound lane of Garden State Parkway, 2.1 mi west of Manahawkin, and 5.1 mi above mouth.

Drainage area: 3.34 mi²

Station type: Low-flow partial-record station

Period of record: 1961-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, 01410000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1967	3.6	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1967		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.0
Winter	1	1.1
(Nov.-Apr.)	7	1.3
	30	1.5

BARNEGAT BAY BASIN

01409280 Westecunk Creek at Stafford Forge, NJ

Location: Latitude 39° 39' 55", Longitude 74° 19' 10", Ocean County, Hydrologic Unit 02040301, at culvert under southbound lane of Garden State Parkway 0.2 mi south of Stafford Forge, 1.3 mi below Long Swamp Branch, and 2 miles west c Staffordville.

Drainage area: 15.8 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1969-1988

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-1988	36	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-1988		
Annual	1	12
(Apr.-Mar.)	7	14
	30	15
Winter	1	17
(Nov.-Apr.)	7	18
	30	21

BARNEGAT BAY BASIN

01409300 Mill Branch near Tuckerton, NJ

Location: Latitude 39° 38' 29", Longitude 74° 21' 48", Ocean County, Hydrologic Unit 02040301, at culvert under northbound lane of Garden State Parkway, 2.9 mi northwest of Tuckerton, and 3.0 mi upstream from Giffords Mill Branch.

Drainage area: 4.89 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, and 01410000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	5.0	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	0.8
(Apr.-Mar.)	7	1.0
	30	1.2
Winter	1	1.5
(Nov.-Apr.)	7	1.7
	30	2.1

MULLICA BASIN

01409375 Mullica River near Atco, NJ

Location: Latitude 39° 47' 08", Longitude 74° 51' 37", Camden County, Hydrologic Unit 02040301, on left bank of small lake 50 ft downstream from bridge on Jackson-Medford Road, 0.7 mi north of intersection of County Route 534 with Jackson-Medford Road, and 1.6 mi east of Atco.

Drainage area: 3.22 mi²

Station type: Low-flow partial-record station

Period of record: 1974-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-2002	3.9	1.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.6

MULLICA BASIN

01409387 Mullica River at outlet of Atsion Lake, at Atsion, NJ

Location: Latitude 39° 44' 25", Longitude 74° 43' 36", Burlington County, Hydrologic Unit 02040301, at bridge on U.S. Route 206 in Atsion at outlet of Atsion Lake, and 0.2 mi upstream from Wesickaman Creek.

Drainage area: 26.7 mi²

Station type: Low-flow partial-record station

Period of record: 1980-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1980-2003	48	31

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1980-2003		
Annual	1	6.3
(Apr.-Mar.)	7	8.1
	30	9.8
Winter	1	13
(Nov.-Apr.)	7	15
	30	18

MULLICA BASIN

01409390 Mullica River at Atsion, NJ

Location: Latitude 39° 44' 19", Longitude 74° 43' 19", Burlington County, Hydrologic Unit 02040301, at Central Railroad of New Jersey bridge in Atsion, 500 ft downstream from Wesickaman Creek, and 0.3 mi southeast of Atsion.

Drainage area: 33.1 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1986	55	35

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1986		
Annual	1	6.0
(Apr.-Mar.)	7	8.1
	30	9.9
Winter	1	14
(Nov.-Apr.)	7	16
	30	20

MULLICA BASIN

01409395 Mullica River tributary near Atsion, NJ

Location: Latitude 39° 41' 29", Longitude 74° 40' 52", Atlantic County, Hydrologic Unit 02040301, 0.2 mi upstream from mouth, 3.8 mi northwest of Batsto, and 4.2 mi southeast of Atsion.

Drainage area: 4.1 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1979	22	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1979		
Annual	1	2.1
(Apr.-Mar.)	7	2.4
	30	3.0
Winter	1	3.9
(Nov.-Apr.)	7	4.3
	30	5.4

MULLICA BASIN

01409400 Mullica River near Batsto, NJ

Location: Latitude 39° 40' 28", Longitude 74° 39' 54", Atlantic County, Hydrologic Unit 02040301, on right bank 2.4 mi upstream from Sleeper Branch, and 2.5 mi north of Batsto.

Drainage area: 46.7 mi²

Station type: Continuous-record gaging station

Period of record: 1957-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1957-2001	105	5.1	1,630	64

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1958-2001		**2**	**5**	**10**	**20**
Annual	1	27	17	13	10.0
(Apr.-Mar.)	7	29	19	15	12
	30	34	23	19	16
Winter	1	41	31	26	23
(Nov.-Apr.)	7	48	35	29	25
	30	70	48	38	31

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1957-2001		**2**	**5**	**10**	**25**
Annual	1	440	675	849	1,090
(Oct.-Sept.)	7	339	478	566	673
	30	218	292	335	382
Winter	1	356	564	728	966
(Nov.-Apr.)	7	286	418	508	625
	30	204	281	330	388

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1957-2001																	
Annual	428	344	262	201	150	137	124	102	85	71	57	50	43	32	26	21	18
Winter	444	386	295	230	178	163	150	130	113	99	86	78	71	56	42	31	24

MULLICA BASIN

01409401 Hays Mill Creek at Atco, NJ

Location: Latitude 39° 45' 32", Longitude 74° 53' 01", Camden County, Hydrologic Unit 02040301, at bridge on U.S. Route 30 at outlet of Atco Lake in Atco, and 3.3 mi southeast of Berlin.

Drainage area: 3.8 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, 01411500, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2002	3.9	2.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.0
Winter	1	1.3
(Nov.-Apr.)	7	1.5
	30	1.8

MULLICA BASIN

0140940200 Hays Mill Creek near Chesilhurst, NJ

Location: Latitude 39° 45' 02", Longitude 74° 50' 27", Camden County, Hydrologic Unit 02040301, on right bank at bridge on Tremont Avenue, 0.5 mi upstream from Cooper Branch, 2.0 mi northeast of Chesilhurst, and 2.8 mi southeast of Atc

Drainage area: 7.13 mi²

Station type: Low-flow partial-record station

Period of record: 1974-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-2002	12	8.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-2002		
Annual	1	2.9
(Apr.-Mar.)	7	3.6
	30	4.0
Winter	1	4.9
(Nov.-Apr.)	7	5.3
	30	6.2

MULLICA BASIN

0140940250 Cooper Branch near Chesilhurst, NJ

Location: Latitude 39° 44' 44", Longitude 74° 50' 24", Camden County, Hydrologic Unit 02040301, at bridge on Burnt Mill Road, 700 ft upstream from mouth, 1.6 mi northeast of Waterford Works and 2.8 mi southeast of Atco.

Drainage area: 1.93 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2001	1.8	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2001		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

MULLICA BASIN

01409403 Wildcat Branch at Chesilhurst, NJ

Location: Latitude 39° 44' 04", Longitude 74° 51' 32", Camden County, Hydrologic Unit 02040301, at culvert on Old White Horse Pike 0.6 mi north of Chesilhurst, 1.5 mi upstream from mouth, and 2.9 mi southeast of Atco.

Drainage area: 1.03 mi²

Station type: Low-flow partial-record station

Period of record: 1974-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01466500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-1980	0.6	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-1980		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

MULLICA BASIN

0140940310 Wildcat Branch near Chesilhurst, NJ

Location: Latitude 39° 42' 21", Longitude 74° 49' 59", Camden County, Hydrologic Unit 02040301, at bridge on Burnt Mill Road, 0.1 mi downstream from outlet of Beaverdam Lake, 1.4 mi northeast of Waterford Works, and 1.9 mi east of Chesilhurst.

Drainage area: 2.27 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2003	3.3	2.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.6
Winter	1	0.8
(Nov.-Apr.)	7	0.9
	30	1.1

MULLICA BASIN

0140940360 Sleeper Branch above diversion, near Atsion, NJ

Location: Latitude 39° 43' 46", Longitude 74° 46' 15", Camden County, Hydrologic Unit 02040301, just upstream from Sleepe Branch Diversion (Saltars Ditch), 550 ft upstream from bridge on Burnt House Road, and 2.4 miles west of Atsion.

Drainage area: 16.1 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2003	25	18

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2003		
Annual	1	5.5
(Apr.-Mar.)	7	6.6
	30	7.5
Winter	1	9.7
(Nov.-Apr.)	7	11
	30	12

MULLICA BASIN

0140940370 Sleeper Branch near Atsion, NJ

Location: Latitude 39° 43' 42", Longitude 74° 46' 11", Camden County, Hydrologic Unit 02040301, at bridge on Burnt House Road, 500 ft downstream from Sleeper Branch Diversion (Saltars Ditch) and 2.3 mi west of Atsion.

Drainage area: 16.1 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2003	22	17

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2003		
Annual	1	5.6
(Apr.-Mar.)	7	6.6
	30	7.5
Winter	1	9.2
(Nov.-Apr.)	7	10
	30	12

MULLICA BASIN

01409404 Sleeper Branch at Us Rt 206 near Atsion, NJ

Location: Latitude 39° 42' 46", Longitude 74° 44' 35", Atlantic County, Hydrologic Unit 02040301, at bridge on U.S. Route 206 0.1 mi upstream from Clark Branch, 0.6 mi south of Dutchtown and 2.1 mi south of Atsion.

Drainage area: 18.2 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01410000, and 01411000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1979	4.4	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1979		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	1.1

MULLICA BASIN

0140940480 Clark Branch near Atsion, NJ

Location: Latitude 39° 42' 53", Longitude 74° 46' 24", Camden County, Hydrologic Unit 02040301, at abandoned railroad bridge, 0.2 mi downstream from Price Branch and 2.8 mi west of Atsion.

Drainage area: 6.42 mi²

Station type: Low-flow partial-record station

Period of record: 1979-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01409400, 01409500, 01410000, 01411000, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-2003	6.4	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.7

MULLICA BASIN

01409405 Clark Branch at US Rt 206, near Atsion, NJ

Location: Latitude 39° 42' 42", Longitude 74° 44' 38", Atlantic County, Hydrologic Unit 02040301, at railroad bridge, 0.2 mi downstream of Price Branch tributary and 2.8 mi west of Atsion.

Drainage area: 7.12 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1979	24	17

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1979		
Annual	1	4.1
(Apr.-Mar.)	7	5.0
	30	5.9
Winter	1	8.0
(Nov.-Apr.)	7	8.8
	30	11

MULLICA BASIN

01409406 Sleeper Branch at Batsto, NJ

Location: Latitude 39° 38' 48", Longitude 74° 39' 38", Atlantic County, Hydrologic Unit 02040301, at footbridge 600 ft upstream from Mullica River, and 0.6 mi northwest of Batsto.

Drainage area: 36.2 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1979	9.2	5.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1979		
Annual	1	0.5
(Apr.-Mar.)	7	0.9
	30	1.1
Winter	1	1.6
(Nov.-Apr.)	7	1.9
	30	2.6

MULLICA BASIN

01409407 Pump Branch near Blue Anchor, NJ

Location: Latitude 39° 42' 22", Longitude 74° 53' 03", Camden County, Hydrologic Unit 02040301, at highway bridge 1.0 mi upstream from Hobb Lake and 1.2 mi north of Blue Anchor.

Drainage area: 6.2 mi²

Station type: Low-flow partial-record station

Period of record: 1974-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01466500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-1980	5.6	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-1980		
Annual	1	0.6
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.1
(Nov.-Apr.)	7	1.3
	30	1.6

MULLICA BASIN

01409408 Pump Branch near Waterford Works, NJ

Location: Latitude 39° 41' 59", Longitude 74° 50' 39", Camden County, Hydrologic Unit 02040301, at bridge on Old Whitehorse Pike, 0.5 mi downstream from lake at Camp Ha-Lu-Wa-Sa, and 1.6 mi south of Waterford Works.

Drainage area: 9.78 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2003	11	9.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2003		
Annual	1	3.2
(Apr.-Mar.)	7	4.1
	30	4.5
Winter	1	5.3
(Nov.-Apr.)	7	5.8
	30	6.6

MULLICA BASIN

01409409 Blue Anchor Brook near Blue Anchor, NJ

Location: Latitude 39° 41' 17", Longitude 74° 50' 59", Camden County, Hydrologic Unit 02040301, on upstream left side of bridge on Spring Garden Road, 1.8 mi east of Blue Anchor, 1.8 mi north of Winslow and 2.2 mi upstream from Albertson Brook.

Drainage area: 3.01 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1985

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1985	2.1	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1985		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.4

MULLICA BASIN

0140940950 Blue Anchor Brook at Elm, NJ

Location: Latitude 39° 41' 17", Longitude 74° 50' 05", Camden County, Hydrologic Unit 02040301, at bridge on U.S. Route 30 (Whitehorse Pike) at Elm at outlet of unnamed lake, and 1.4 mi upstream from confluence with Pump Branch.

Drainage area: 4.86 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2003	3.9	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2003		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	0.9
(Nov.-Apr.)	7	1.1
	30	1.4

MULLICA BASIN

0140940970 Albertson Branch near Elm, NJ

Location: Latitude 39° 41' 34", Longitude 74° 48' 23", Camden County, Hydrologic Unit 02040301, at bridge on Fleming Pike, 0.4 mi downstream from confluence of Blue Anchor Brook and Pump Branch, and 1.6 mi northeast of Elm.

Drainage area: 17.1 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2003	23	18

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2003		
Annual	1	6.0
(Apr.-Mar.)	7	7.3
	30	8.1
Winter	1	10
(Nov.-Apr.)	7	11
	30	12

MULLICA BASIN

01409410 Albertson Brook near Hammonton, NJ

Location: Latitude 39° 41' 41", Longitude 74° 45' 20", Atlantic County, Hydrologic Unit 02040301, at bridge on U.S. Route 206, 3.1 mi downstream from confluence of Pump Branch and Blue Anchor Brook, 3.5 mi south of Atsion, and 5.2 n northeast of Hammonton.

Drainage area: 19.3 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1986	30	23

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1986		
Annual	1	8.7
(Apr.-Mar.)	7	10
	30	11
Winter	1	12
(Nov.-Apr.)	7	13
	30	15

MULLICA BASIN

0140941050 Great Swamp Branch at Elm, NJ

Location: Latitude 39° 40' 18", Longitude 74° 49' 32", Camden County, Hydrologic Unit 02040301, at bridge on U.S. Route 30 0.5 mi southeast of Elm, 1.5 mi north of Rosedale, and 2.4 mi northeast of Winslow.

Drainage area: 2.83 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2001	1.4	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2001		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.3

MULLICA BASIN

01409411 Nescochague Creek at Pleasant Mills, NJ

Location: Latitude 39° 38' 29", Longitude 74° 39' 42", Atlantic County, Hydrologic Unit 02040301, at bridge on sand road in Pleasant Mills, 0.2 mi upstream from Mullica River and 0.6 mi west of Batsto.

Drainage area: 43.7 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1998	70	48

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1998		
Annual	1	11
(Apr.-Mar.)	7	15
	30	17
Winter	1	22
(Nov.-Apr.)	7	25
	30	30

MULLICA BASIN

01409416 Hammonton Creek at Wescoatville, NJ

Location: Latitude 39° 38' 02", Longitude 74° 43' 04", Burlington County, Hydrologic Unit 02040301, at bridge on Chestnut Road in Wescoatville, 1.1 mi southwest of Nesco, 1.7 mi upstream from Norton Branch, and 3.8 mi southwest of Batsto.

Drainage area: 9.57 mi²

Station type: Low-flow partial-record station

Period of record: 1974-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-2003	16	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-2003		
Annual	1	2.2
(Apr.-Mar.)	7	3.0
	30	3.6
Winter	1	4.6
(Nov.-Apr.)	7	5.3
	30	6.5

MULLICA BASIN

01409450 Springers Brook near Indian Mills, NJ

Location: Latitude 39° 46' 45", Longitude 74° 44' 19", Burlington County, Hydrologic Unit 02040301, at highway bridge on U.S. Route 206 1.1 mi south of Indian Mills, 1.9 mi upstream from Bard Branch, and 2.8 mi north of Atsion.

Drainage area: 12.6 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1985

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1985	16	9.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1985		
Annual	1	1.4
(Apr.-Mar.)	7	2.1
	30	2.5
Winter	1	2.8
(Nov.-Apr.)	7	3.3
	30	4.1

MULLICA BASIN

01409460 Springers Brook near Atsion, NJ

Location: Latitude 39° 44' 26", Longitude 74° 41' 01", Burlington County, Hydrologic Unit 02040301, at site 110 ft upstream from small unnamed left-bank tributary, 700 ft downstream from Deep Run, and 2.8 mi east of Atsion.

Drainage area: 21.2 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1983

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1983	23	10

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1983		
Annual	1	0.4
(Apr.-Mar.)	7	0.8
	30	1.2
Winter	1	1.9
(Nov.-Apr.)	7	2.4
	30	3.7

MULLICA BASIN

01409500 Batsto River at Batsto, NJ

Location: Latitude 39° 38' 30", Longitude 74° 39' 01", Burlington County, Hydrologic Unit 02040301, on right bank 30 ft downstream from bridge on County Highway 542 at Batsto, 0.6 mi east of Pleasant Mills, and 1.0 mi upstream from mouth.

Drainage area: 67.8 mi²

Station type: Continuous-record gaging station

Period of record: 1928-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1928-2001	122	5.7	2,000	93

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1929-2001		**2**	**5**	**10**	**20**
Annual	1	49	33	24	17
(Apr.-Mar.)	7	52	44	40	38
	30	58	48	44	41
Winter	1	41	53	47	43
(Nov.-Apr.)	7	71	60	55	50
	30	87	70	62	57

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1928-2001		**2**	**5**	**10**	**25**
Annual	1	512	762	926	1,130
(Oct.-Sept.)	7	351	494	586	698
	30	221	285	324	368
Winter	1	389	577	708	880
(Nov.-Apr.)	7	288	398	471	563
	30	199	260	300	350

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1928-2001																	
Annual	457	375	267	207	158	144	135	117	102	90	79	74	68	56	50	43	40
Winter	454	375	287	226	177	162	152	134	121	110	99	94	88	75	66	58	51

MULLICA BASIN

01409575 Landing Creek at Philadelphia Avenue at Egg Harbor City, NJ

Location: Latitude 39° 32' 52", Longitude 74° 37' 32", Atlantic County, Hydrologic Unit 02040301, at bridge on Philadelphia Avenue, 0.1 mi upstream from Union Creek, 1.7 mi northeast of intersection of Routes 30, 563, and 50 in Egg Harbo City, and 6.1 mi upstream from mouth.

Drainage area: 4.86 mi²

Station type: Low-flow partial-record station

Period of record: 1974-1981

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, 01409500, 01410000, 01411000, 01411500, and 01466500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-1981	8.2	5.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-1981		
Annual	1	1.3
(Apr.-Mar.)	7	1.7
	30	2.0
Winter	1	2.5
(Nov.-Apr.)	7	2.8
	30	3.4

MULLICA BASIN

01409730 West Branch Wading River near Chatsworth, NJ

Location: Latitude 39° 45' 43", Longitude 74° 32' 26", Burlington County, Hydrologic Unit 02040301, at bridge on County Route 563, 0.6 mi downstream from Pole Branch, and 2.9 mi south of Chatsworth. Includes flow of two channels of West Branch and Hospitality Brook at County Line 563.

Drainage area: 44.8 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1980

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01410000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1980	52	33

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1980		
Annual	1	4.0
(Apr.-Mar.)	7	8.1
	30	9.6
Winter	1	11
(Nov.-Apr.)	7	14
	30	18

MULLICA BASIN

01409780 Tulpehocken Creek near Jenkins, NJ

Location: Latitude 39° 42' 51", Longitude 74° 33' 57", Burlington County, Hydrologic Unit 02040301, at bridge on Maxwell-Friendship Road, 0.2 mi upstream from mouth and 2.3 mi northwest of Jenkins.

Drainage area: 21.8 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1998	26	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1998		
Annual	1	2.7
(Apr.-Mar.)	7	3.9
	30	4.7
Winter	1	6.3
(Nov.-Apr.)	7	7.3
	30	9.2

MULLICA BASIN

01409800 West Branch Wading River near Harrisville, NJ

Location: Latitude 39° 41' 23", Longitude 74° 32' 47", Burlington County, Hydrologic Unit 02040301, at Godfrey bridge 0.8 m west of State Route 563, 1.2 mi southwest of Jenkins, 2.0 mi downstream from Little Hospitality Brook, 2.3 mi northwest of Harrisville.

Drainage area: 83.9 mi²

Station type: Low-flow partial-record station

Period of record: 1957-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-1963	184	119

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-1963		
Annual	1	15
(Apr.-Mar.)	7	28
	30	34
Winter	1	42
(Nov.-Apr.)	7	51
	30	65

MULLICA BASIN

01409810 West Branch Wading River near Jenkins, NJ

Location: Latitude 39° 41' 17", Longitude 74° 32' 53", Burlington County, Hydrologic Unit 02040301, on right bank 900 ft downstream from Godfrey Bridge on Washington-Jenkins Road, 1.2 mi southwest of Jenkins, and 2.2 mi downstrear from Hospitality Brook.

Drainage area: 84.1 mi²

Station type: Continuous-record gaging station

Period of record: 1975-1997

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1975-1997	140	17	1,260	90

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1976-1997		**2**	**5**	**10**	**20**
Annual	1	37	28	24	21
(Apr.-Mar.)	7	41	30	26	22
	30	49	36	31	27
Winter	1	55	46	43	40
(Nov.-Apr.)	7	61	51	47	44
	30	78	65	60	57

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1975-1997		**2**	**5**	**10**	**25**
Annual	1	673	989	1,170	1,370
(Oct.-Sept.)	7	481	678	780	882
	30	289	404	474	554
Winter	1	510	795	994	1,250
(Nov.-Apr.)	7	394	596	730	897
	30	272	394	474	572

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1975-1997																	
Annual	663	531	359	268	192	172	153	128	106	89	75	69	62	49	41	33	30
Winter	660	554	410	307	224	201	184	156	136	117	100	92	85	70	62	54	50

MULLICA BASIN

01409815 West Branch Wading River at Maxwell, NJ

Location: Latitude 39° 40' 30", Longitude 74° 32' 27", Burlington County, Hydrologic Unit 02040301, at bridge on County Highway 563 in Maxwell, 1.6 mi southeast of Washington, 1.8 mi southwest of Jenkins, and 2.2 mi upstream from confluence with Oswego River.

Drainage area: 85.9 mi²

Station type: Low-flow partial-record station

Period of record: 1985-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1985-2003	134	94

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1985-2003		
Annual	1	20
(Apr.-Mar.)	7	30
	30	35
Winter	1	42
(Nov.-Apr.)	7	48
	30	58

MULLICA BASIN

01409970 Oswego River at Oswego Lake, NJ

Location: Latitude 39° 43' 53", Longitude 74° 29' 20", Burlington County, Hydrologic Unit 02040301, at bridge on Little Hawkin Road on southwest side of Oswego Lake, 0.6 mi downstream from Breeches Branch, and 3.0 mi northwest c Jenkins.

Drainage area: 61.4 mi²

Station type: Low-flow partial-record station

Period of record: 1975-1981

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01409400, 01409500, 01410000, 01411000, 01411500, and 01466500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1981	60	43

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1981		
Annual	1	11
(Apr.-Mar.)	7	14
	30	17
Winter	1	20
(Nov.-Apr.)	7	23
	30	27

MULLICA BASIN

01410000 Oswego River at Harrisville, NJ

Location: Latitude 39° 39' 48", Longitude 74° 31' 27", Burlington County, Hydrologic Unit 02040301, on right bank 50 ft downstream from bridge on County Route Spur 563 at Harrisville, and 0.3 mi upstream from confluence with West Branch Wading River.

Drainage area: 72.5 mi²

Station type: Continuous-record gaging station

Period of record: 1931-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1931-2001	86	4.0	1,220	63

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1932-2001		**2**	**5**	**10**	**20**
Annual	1	30	19	13	9.4
(Apr.-Mar.)	7	32	24	21	19
	30	37	29	26	23
Winter	1	42	33	29	26
(Nov.-Apr.)	7	47	38	34	31
	30	61	47	41	37

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1931-2001		**2**	**5**	**10**	**25**
Annual	1	352	540	676	860
(Oct.-Sept.)	7	255	361	432	520
	30	160	208	237	272
Winter	1	262	383	469	584
(Nov.-Apr.)	7	203	282	335	402
	30	143	191	223	264

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1931-2001																	
Annual	330	266	197	150	116	105	97	83	72	63	54	50	46	37	31	27	24
Winter	317	272	212	168	129	119	110	97	87	78	69	65	60	49	42	36	32

MULLICA BASIN

01410150 East Branch Bass River near New Gretna, NJ

Location: Latitude 39° 37' 23", Longitude 74° 26' 29", Burlington County, Hydrologic Unit 02040301, on left bank upstream from bridge on Stage Road, 0.7 mi west of Lake Absegami, 2.2 mi north of New Gretna, and 5.3 mi upstream from mouth.

Drainage area: 8.11 mi²

Station type: Continuous-record gaging station

Period of record: 1978-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1978-2001	17	4.8	533	14

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1979-2001		**2**	**5**	**10**	**20**
Annual	1	8.4	6.9	6.1	5.6
(Apr.-Mar.)	7	8.8	7.2	6.4	5.9
	30	9.7	7.8	6.9	6.2
Winter	1	9.5	8.0	7.4	7.0
(Nov.-Apr.)	7	10	8.5	7.9	7.5
	30	12	10.0	9.1	8.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1978-2001		**2**	**5**	**10**	**25**
Annual	1	58	112	172	289
(Oct.-Sept.)	7	36	56	70	91
	30	28	38	44	51
Winter	1	44	65	79	99
(Nov.-Apr.)	7	31	42	50	59
	30	25	34	40	48

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1978-2001																	
Annual	50	44	35	28	22	21	19	17	15	13	12	11	10	8.7	7.8	7.2	6.3
Winter	50	43	35	29	23	22	20	18	16	15	13	12	12	10	9.2	8.3	8.0

MULLICA BASIN

01410200 West Branch Bass River near New Gretna, NJ

Location: Latitude 39° 37' 27", Longitude 74° 26' 46", Burlington County, Hydrologic Unit 02040301, at bridge on Stage Road 0.6 mi upstream from mouth, and 2.2 mi north of New Gretna.

Drainage area: 6.54 mi²

Station type: Low-flow partial-record station

Period of record: 1969-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01410000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-2002	14	10

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-2002		
Annual	1	2.7
(Apr.-Mar.)	7	3.9
	30	4.5
Winter	1	5.2
(Nov.-Apr.)	7	5.8
	30	6.9

MULLICA BASIN

01410215 Clarks Mill Stream at Port Republic, NJ

Location: Latitude 39° 30' 57", Longitude 74° 30' 29", Atlantic County, Hydrologic Unit 02040301, at bridge on State Route 575, 0.5 mile upstream of Mill Pond, and 1.0 mile east of Port Republic.

Drainage area: 8.61 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	12	8.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	2.3
(Apr.-Mar.)	7	2.8
	30	3.3
Winter	1	4.3
(Nov.-Apr.)	7	4.7
	30	5.6

MULLICA BASIN

01410225 Morses Mill Stream at Port Republic, NJ

Location: Latitude 39° 30' 23", Longitude 74° 30' 20", Atlantic County, Hydrologic Unit 02040301, at bridge on State Alternat Route 561, 0.6 mile upstream of Mill Pond and 1.2 miles southwest of Port Republic.

Drainage area: 8.25 mi²

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	12	7.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	0.8
(Apr.-Mar.)	7	1.3
	30	1.6
Winter	1	2.3
(Nov.-Apr.)	7	2.7
	30	3.6

GREAT EGG HARBOR BASIN

01410500 Absecon Creek at Absecon, NJ

Location: Latitude 39° 25' 45", Longitude 74° 31' 15", Atlantic County, Hydrologic Unit 02040302, on right abutment of bridge on Mill Road, 50 ft downstream of former gaging station, 1.0 mi west of Absecon, and 3.4 mi upstream from mouth.

Drainage area: 17.9 mi²

Station type: Continuous-record gaging station

Period of record: 1946-1985

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1946-1985	19	0.0	265	4.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1947-1985		**2**	**5**	**10**	**20**
Annual	1	2.8	0.2	0.0	0.0
(Apr.-Mar.)	7	3.2	0.2	0.1	0.0
	30	5.5	1.0	0.3	0.2
Winter	1	2.9	0.7	0.3	0.0
(Nov.-Apr.)	7	5.2	1.5	0.3	0.2
	30	8.5	4.3	4.8	1.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1946-1985		**2**	**5**	**10**	**25**
Annual	1	101	153	191	241
(Oct.-Sept.)	7	57	83	101	125
	30	37	52	62	75
Winter	1	85	134	165	204
(Nov.-Apr.)	7	50	74	88	105
	30	34	48	56	65

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1946-1985																	
Annual	83	66	50	40	29	26	23	18	15	12	8.7	7.6	6.4	3.2	1.0	0.4	0.2
Winter	85	70	54	43	33	29	27	22	19	16	13	11	9.0	6.1	3.6	0.7	0.3

GREAT EGG HARBOR BASIN

01410775 Great Egg Harbor River at Berlin, NJ

Location: Latitude 39° 47' 39", Longitude 74° 56' 13", Camden County, Hydrologic Unit 02040302, at bridge and pumping station on Berlin-Albion Road in Berlin, 8.2 mi upstream from Fourmile Branch.

Drainage area: 1.88 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, 01411500, and 01466500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	0.8	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.3

GREAT EGG HARBOR BASIN

01410784 Great Egg Harbor River near Sicklerville, NJ

Location: Latitude 39° 44' 01", Longitude 74° 57' 04", Camden County, Hydrologic Unit 02040302, at bridge on Williamstown New Freedom Road, 1.5 mi northeast of Sicklerville and 3.2 mi upstream from Fourmile Branch.

Drainage area: 15.1 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1971-2002

Remarks: This site has a continuous data record for the period 1996-1998.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-2002	15	8.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-2002		
Annual	1	1.4
(Apr.-Mar.)	7	1.8
	30	2.3
Winter	1	3.5
(Nov.-Apr.)	7	4.0
	30	5.2

GREAT EGG HARBOR BASIN

01410787 Great Egg Harbor River tributary at Sicklerville, NJ

Location: Latitude 39° 43' 31", Longitude 74° 57' 38", Camden County, Hydrologic Unit 02040302, on left bank on upstream wing wall of bridge of Blackwood-New Brooklyn Road, 0.7 mi northeast of Sicklerville, and 0.8 mi upstream from mouth.

Drainage area: 1.64 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1971-1979

Remarks: This site has a continuous data record for the period 1972-1979.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-1979	1.4	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-1979		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.3

GREAT EGG HARBOR BASIN

01410800 Fourmile Branch near Williamstown, NJ

Location: Latitude 39° 42' 17", Longitude 74° 58' 52", Gloucester County, Hydrologic Unit 02040302, at highway bridge on Spur State Route 526, 1.1 mi southwest of Sicklerville, 1.5 mi northeast of Williamstown, and 2.8 mi above mouth.

Drainage area: 5.34 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1971

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01475000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1971	5.3	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1971		
Annual	1	0.9
(Apr.-Mar.)	7	1.0
	30	1.2
Winter	1	1.9
(Nov.-Apr.)	7	2.1
	30	2.5

GREAT EGG HARBOR BASIN

01410803 Fourmile Branch at Winslow Crossing, NJ

Location: Latitude 39° 42' 07", Longitude 74° 58' 10", Camden County, Hydrologic Unit 02040302, at bridge on Andrews Roa in Winslow Crossing, 1.4 mi northeast of Williamstown, and 2.1 mi 2.1 mi upstream of Great Egg Harbor.

Drainage area: 6.22 mi²

Station type: Low-flow partial-record station

Period of record: 1972-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01475000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1972-2002	6.9	5.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1972-2002		
Annual	1	1.1
(Apr.-Mar.)	7	1.5
	30	1.7
Winter	1	2.3
(Nov.-Apr.)	7	2.6
	30	3.1

GREAT EGG HARBOR BASIN

01410810 Fourmile Branch at New Brooklyn, NJ

Location: Latitude 39° 41' 47", Longitude 74° 56' 24", Camden County, Hydrologic Unit 02040302, on left bank, 70 feet upstream from bridge on Malaga Road, 0.3 mile northeast of New Brooklyn and 0.3 mile upstream from mouth.

Drainage area: 7.74 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1971-2002

Remarks: This site has a continuous data record for the period 1973-1979.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1971-2002	10	7.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1971-2002		
Annual	1	2.1
(Apr.-Mar.)	7	2.3
	30	2.7
Winter	1	3.6
(Nov.-Apr.)	7	4.0
	30	4.7

GREAT EGG HARBOR BASIN

01410820 Great Egg Harbor River near Blue Anchor, NJ

Location: Latitude 39° 40' 09", Longitude 74° 54' 48", Camden County, Hydrologic Unit 02040302, on downstream side of bridge on broad lane road, 2.1 mi downstream from confluence of Fourmile Branch, and 1.9 mi southwest of blue anchor.

Drainage area: 37.3 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1972-1990

Remarks: This site has a continuous data record for the period 1972-1979.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1972-1990	52	38

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1972-1990		
Annual	1	12
(Apr.-Mar.)	7	12
	30	14
Winter	1	20
(Nov.-Apr.)	7	21
	30	25

GREAT EGG HARBOR BASIN

01410855 Squankum Brook above sewage treatment plant, at Williamstown, NJ

Location: Latitude 39° 40' 39", Longitude 74° 58' 33", Gloucester County, Hydrologic Unit 02040302, at bridge on Tremont Avenue in Wharton State Forest0.3 mi northeast of Burnt Mill Road and 2.0 mi northeast of Chesilhurst.

Drainage area: 1.5 mi²

Station type: Low-flow partial-record station

Period of record: 1974-1991

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-1991	0.7	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-1991		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.2

GREAT EGG HARBOR BASIN

01410865 Squankum Branch at Malaga Road, near Williamstown, NJ

Location: Latitude 39° 40' 04", Longitude 74° 57' 38", Gloucester County, Hydrologic Unit 02040302, at bridge on Malaga Road, 1.0 mi upstream of Hedges Branch, and 2.2 mi east of Williamstown.

Drainage area: 3.02 mi²

Station type: Low-flow partial-record station

Period of record: 1974-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-2002	1.8	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.4

GREAT EGG HARBOR BASIN

01411000 Great Egg Harbor River at Folsom, NJ

Location: Latitude 39° 35' 42", Longitude 74° 51' 05", Atlantic County, Hydrologic Unit 02040302, on left bank 25 ft upstream from bridge on State Highway 54, 1.0 mi south of Folsom, and 2.0 mi upstream from Pennypot Stream.

Drainage area: 57.1 mi²

Station type: Continuous-record gaging station

Period of record: 1925-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1925-2001	85	15	1,300	63

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1926-2001		**2**	**5**	**10**	**20**
Annual	1	30	24	21	18
(Apr.-Mar.)	7	32	25	22	19
	30	36	28	24	22
Winter	1	48	39	35	32
(Nov.-Apr.)	7	51	42	37	34
	30	64	50	43	38

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1925-2001		**2**	**5**	**10**	**25**
Annual	1	290	437	549	710
(Oct.-Sept.)	7	224	309	366	441
	30	154	194	217	244
Winter	1	244	342	410	499
(Nov.-Apr.)	7	198	263	304	354
	30	142	183	207	236

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1925-2001																	
Annual	293	249	190	149	117	106	98	84	74	64	55	50	46	37	31	27	23
Winter	292	253	204	167	133	122	113	101	91	82	73	69	65	54	47	39	34

GREAT EGG HARBOR BASIN

01411020 Penny Pot Stream near Folsom, NJ

Location: Latitude 39° 37' 15", Longitude 74° 50' 47", Atlantic County, Hydrologic Unit 02040302, at bridge on Fourteenth Street, 2.5 mi southwest of center of Hammonton.

Drainage area: 5.35 mi²

Station type: Low-flow partial-record station

Period of record: 1968-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, 01411500, and 01475000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-2002	6.0	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	0.9
(Nov.-Apr.)	7	1.1
	30	1.5

GREAT EGG HARBOR BASIN

01411035 Hospitality Branch at Blue Bell Road, near Cecil, NJ

Location: Latitude 39° 38' 36", Longitude 74° 58' 39", Gloucester County, Hydrologic Unit 02040302, at bridge on Blue Bell Road, 1.2 mi upstream of Timber Lakes, and 2.0 mi west of Cecil.

Drainage area: 4.51 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2003	4.5	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2003		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.7
(Nov.-Apr.)	7	0.9
	30	1.2

GREAT EGG HARBOR BASIN

01411040 Hospitality Branch near Cecil, NJ

Location: Latitude 39° 38' 08", Longitude 74° 56' 44", Gloucester County, Hydrologic Unit 02040302, at bridge on unnamed dirt road off Yardley Road in Friendly Village, 0.25 mi downstream from Timber Lakes and 0.8 mi south of Cecil.

Drainage area: 8.3 mi²

Station type: Low-flow partial-record station

Period of record: 1990-1992

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-1992	12	8.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-1992		
Annual	1	2.0
(Apr.-Mar.)	7	2.4
	30	2.8
Winter	1	3.7
(Nov.-Apr.)	7	4.2
	30	5.1

GREAT EGG HARBOR BASIN

01411042 Whitehall Branch near Cecil, NJ

Location: Latitude 39° 38' 05", Longitude 74° 59' 02", Gloucester County, Hydrologic Unit 02040302, at bridge on Malaga Road, 0.3 mi upstream of Sunset Lakes and 2.2 mi west of Cecil.

Drainage area: 2.21 mi²

Station type: Low-flow partial-record station

Period of record: 1990-1992

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-1992	3.0	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-1992		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.6

GREAT EGG HARBOR BASIN

01411047 Whitehall Branch below Victory Lakes, near Cecil, NJ

Location: Latitude 39° 37' 59", Longitude 74° 56' 44", Gloucester County, Hydrologic Unit 02040302, at bridge on unnamed dirt road off of Yardley Road in Friendly Village trailer park, 800 ft below Victory Lake and 1.0 mi south of Cecil.

Drainage area: 4.6 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	6.3	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.8
(Nov.-Apr.)	7	1.0
	30	1.4

GREAT EGG HARBOR BASIN

01411053 Hospitality Branch at Berryland, NJ

Location: Latitude 39° 36' 31", Longitude 74° 54' 33", Gloucester County, Hydrologic Unit 02040302, at bridge on Piney Hollow Road, 0.3 mi southwest of Berryland, 1.2 mi upstream of Oak Branch and 3.4 mi west of Folson.

Drainage area: 20 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1986

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1986	36	23

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1986		
Annual	1	4.5
(Apr.-Mar.)	7	5.1
	30	6.2
Winter	1	9.3
(Nov.-Apr.)	7	10
	30	13

GREAT EGG HARBOR BASIN

01411110 Great Egg Harbor River at Weymouth, NJ

Location: Latitude 39° 30' 50", Longitude 74° 46' 46", Atlantic County, Hydrologic Unit 02040302, at bridge on U.S. Route 322 in Weymouth, 0.5 mi upstream from Deep Run, and 20.9 mi upstream from mouth.

Drainage area: 154 mi²

Station type: Low-flow partial-record station

Period of record: 1977-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	230	166

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	47
(Apr.-Mar.)	7	56
	30	65
Winter	1	83
(Nov.-Apr.)	7	92
	30	110

GREAT EGG HARBOR BASIN

01411140 Deep Run at Weymouth, NJ

Location: Latitude 39° 30' 26", Longitude 74° 46' 55", Atlantic County, Hydrologic Unit 02040302, at bridge on County Highway 559, 0.3 mi upstream of mouth and 0.5 mi southwest of Weymouth.

Drainage area: 20 mi²

Station type: Low-flow partial-record station

Period of record: 1976-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-2002	32	23

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-2002		
Annual	1	5.6
(Apr.-Mar.)	7	6.9
	30	8.2
Winter	1	11
(Nov.-Apr.)	7	12
	30	15

GREAT EGG HARBOR BASIN

01411170 Great Egg Harbor River at Mays Landing, NJ

Location: Latitude 39° 27' 13", Longitude 74° 44' 03", Atlantic County, Hydrologic Unit 02040302, at bridge on County Route 559 at outlet of Lake Lenape, and 0.4 mi west of intersection of County Route 50 with U.S. Route 40 in Mays Landing.

Drainage area: 205 mi²

Station type: Low-flow partial-record station

Period of record: 1988-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1988-2001	422	260

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1988-2001		
Annual	1	30
(Apr.-Mar.)	7	48
	30	59
Winter	1	79
(Nov.-Apr.)	7	98
	30	128

GREAT EGG HARBOR BASIN

01411196 Babcock Creek near Mays Landing, NJ

Location: Latitude 39° 28' 08", Longitude 74° 41' 33", Atlantic County, Hydrologic Unit 02040302, at bridge on U.S. Route 322, 1.1 mi east from intersection of U.S. Route 50, 2.2 mi northeast of Mays Landing, and 2.8 mi upstream from Watering Race Branch.

Drainage area: 16.3 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	16	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	2.3
(Apr.-Mar.)	7	2.9
	30	3.4
Winter	1	4.6
(Nov.-Apr.)	7	5.3
	30	6.5

GREAT EGG HARBOR BASIN

01411200 Babcock Creek at Mays Landing, NJ

Location: Latitude 39° 27' 18", Longitude 74° 43' 03", Atlantic County, Hydrologic Unit 02040302, at bridge on Old Egg Harbor Road, 0.6 mi northeast of Mays Landing, and 0.7 mi upstream from mouth.

Drainage area: 20 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, and 01411000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	24	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	2.7
(Apr.-Mar.)	7	3.2
	30	3.9
Winter	1	6.0
(Nov.-Apr.)	7	6.7
	30	8.5

GREAT EGG HARBOR BASIN

01411220 South River near Belcoville, NJ

Location: Latitude 39° 26' 25", Longitude 74° 45' 20", Atlantic County, Hydrologic Unit 02040302, at bridge on Walkers Forge Road, 1.1 mi west of Belcoville, and 3.7 mi upstream of mouth.

Drainage area: 20.39 mi²

Station type: Low-flow partial-record station

Period of record: 1994-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1994-2001	33	22

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1994-2001		
Annual	1	4.3
(Apr.-Mar.)	7	6.0
	30	7.3
Winter	1	9.1
(Nov.-Apr.)	7	11
	30	13

GREAT EGG HARBOR BASIN

01411250 English Creek near Scullville, NJ

Location: Latitude 39° 22' 07", Longitude 74° 39' 45", Atlantic County, Hydrologic Unit 02040302, at bridge on School House Road, 1.8 mi upstream from State Route 559, at the community of English Creek, and 2.5 mi northwest of Scullville

Drainage area: 3.8 mi^2

Station type: Low-flow partial-record station

Period of record: 1986-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-1993	5.8	4.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-1993		
Annual	1	1.4
(Apr.-Mar.)	7	1.7
	30	1.9
Winter	1	2.3
(Nov.-Apr.)	7	2.6
	30	3.0

GREAT EGG HARBOR BASIN

01411299 Tarkiln Brook near Head of River, NJ

Location: Latitude 39° 18' 19", Longitude 74° 49' 46", Cape May County, Hydrologic Unit 02040302, at bridge on State Route 548, 0.3 mi upstream of mouth and 0.7 mi west of Head of River.

Drainage area: 7.4 mi^2

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	6.8	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.1
	30	1.6

GREAT EGG HARBOR BASIN

01411300 Tuckahoe River at Head of River, NJ

Location: Latitude 39° 18' 25", Longitude 74° 49' 14", Atlantic County, Hydrologic Unit 02040302, on right bank at highway bridge on State Route 49, 0.2 mi upstream from McNeals Branch, 0.4 mi southeast of Head of River, and 3.7 mi wes of Tuckahoe.

Drainage area: 30.8 mi²

Station type: Continuous-record gaging station

Period of record: 1970-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1970-2001	43	1.3	920	27

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1971-2001		**2**	**5**	**10**	**20**
Annual	1	13	8.7	7.0	4.0
(Apr.-Mar.)	7	14	11	7.2	4.9
	30	15	12	9.1	7.5
Winter	1	19	15	14	13
(Nov.-Apr.)	7	21	17	15	14
	30	26	19	17	16

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1970-2001		**2**	**5**	**10**	**25**
Annual	1	193	315	416	569
(Oct.-Sept.)	7	125	193	243	310
	30	83	121	147	181
Winter	1	166	252	310	384
(Nov.-Apr.)	7	112	169	207	255
	30	81	120	146	180

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1970-2001																	
Annual	186	148	109	84	61	54	48	40	33	27	23	21	19	16	13	11	9.7
Winter	197	168	127	100	73	65	59	50	43	36	31	28	26	22	19	17	16

GREAT EGG HARBOR BASIN

01411302 Mill Creek near Steelmantown, NJ

Location: Latitude 39° 17' 03", Longitude 74° 47' 32", Cape May County, Hydrologic Unit 02040302, at bridge on State Route 557, 1.6 mi south of Marshallville, 0.5 mi upstream of Back Run tributary and 1.3 mi north of Steelmantown.

Drainage area: 3.82 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	4.0	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.4

GREAT EGG HARBOR BASIN

01411305 Mill Branch near Northfield, NJ

Location: Latitude 39° 23' 44", Longitude 74° 35' 35", Atlantic County, Hydrologic Unit 02040302, at bridge on County Route 684, 0.4 mile downstream of Cedar Branch, 1.1 mi south of Cardiff and 4.5 mi northwest of Northfield.

Drainage area: 7.47 mi²

Station type: Low-flow partial-record station

Period of record: 1986-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1986-2002	8.9	6.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1986-2002		
Annual	1	2.2
(Apr.-Mar.)	7	2.6
	30	3.0
Winter	1	3.7
(Nov.-Apr.)	7	4.1
	30	4.7

CAPE MAY BASIN

01411351 Mill Creek at outlet Magnolia Lake at Ocean View, NJ

Location: Latitude 39° 10' 24", Longitude 74° 44' 11", Cape May County, Hydrologic Unit 02040302, at the outlet of Magnolia Lake on U.S. Route 9, 0.25 mi south of Ocean View.

Drainage area: 2.28 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2002	2.9	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.6
	30	0.7
Winter	1	0.9
(Nov.-Apr.)	7	1.0
	30	1.2

CAPE MAY BASIN

01411388 Mill Creek at Cold Spring, NJ

Location: Latitude 38° 58' 24", Longitude 74° 54' 40", Cape May County, Hydrologic Unit 02040302, at culvert under U.S. Rte 9, 0.5 mi north of Cold Spring, and 1.5 mi south of Erma.

Drainage area: 1.34 mi²

Station type: Low-flow partial-record station

Period of record: 1991-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-2002	1.1	0.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.3

CAPE MAY BASIN

01411400 Fishing Creek at Rio Grande, NJ

Location: Latitude 39° 01' 39", Longitude 74° 53' 47", Cape May County, Hydrologic Unit 02040206, at bridge on State Route 47 at Wildwood pumping station and 1.4 mi northwest of Rio Grande.

Drainage area: 2.29 mi²

Station type: Low-flow partial-record station

Period of record: 1965-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2002	2.0	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.5

CAPE MAY BASIN

01411404 Green Creek at Green Creek, NJ

Location: Latitude 39° 03' 11", Longitude 74° 54' 06", Cape May County, Hydrologic Unit 02040206, at culvert on State Route 47 in Green Creek, 1.3 mi above mouth; and 3.0 mi northwest of Rio Grande.

Drainage area: 2.49 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1972	0.9	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.1
	30	0.1

CAPE MAY BASIN

01411408 Dias Creek near Cape May Court House, NJ

Location: Latitude 39° 04' 24", Longitude 74° 52' 09", Cape May County, Hydrologic Unit 02040206, at culvert pipe on blacktop road, 2.4 mi southwest of Cape May Court House, 2.1 mi northwest of Burleigh, and 3.0 mi above mouth.

Drainage area: 1.27 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	1.4	0.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.1
	30	0.1

CAPE MAY BASIN

01411410 Bidwell Creek tributary near Cape May Court House, NJ

Location: Latitude 39° 06' 34", Longitude 74° 50' 15", Cape May County, Hydrologic Unit 02040206, at culvert pipe on Goshen Road, 2.0 mi northwest of Cape May Court House, 2.3 mi southeast of Goshen, and 3.6 mi upstream from mouth.

Drainage area: 0.41 mi²

Station type: Low-flow partial-record station

Period of record: 1967-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-2002	0.3	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

CAPE MAY BASIN

01411412 Bidwell Creek tributary 2 near Cape May Court House, NJ

Location: Latitude 39° 06' 25", Longitude 74° 50' 11", Cape May County, Hydrologic Unit 02040206, at culvert pipe on Goshen Road, 1.8 mi northwest of Cape May Court House, 2.3 southeast of Goshen, and 3.6 mi upstream from mout

Drainage area: 0.19 mi²

Station type: Low-flow partial-record station

Period of record: 1967-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-1990	0.1	0.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-1990		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

CAPE MAY BASIN

01411418 Goshen Creek at Goshen, NJ

Location: Latitude 39° 07' 39", Longitude 74° 50' 44", Cape May County, Hydrologic Unit 02040206, at culvert pipe on Goshen Road, 1.0 mi southeast of Goshen, 3.3 mi northwest of Cape May Court House, and 3.3 mi above mouth.

Drainage area: 0.33 mi²

Station type: Low-flow partial-record station

Period of record: 1967-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-2002	0.3	0.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

CAPE MAY BASIN

01411428 Dennis Creek tributary 2 at Dennisville, NJ

Location: Latitude 39° 11' 34", Longitude 74° 49' 32", Cape May County, Hydrologic Unit 02040206, at dammed pond 0.1 mi west of Dennisville on Rt 47.

Drainage area: 4 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	5.2	2.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.6
	30	0.8

CAPE MAY BASIN

01411430 Sluice Creek at Clermont, NJ

Location: Latitude 39° 09' 26", Longitude 74° 46' 17", Cape May County, Hydrologic Unit 02040206, at culvert pipe on State Route 83, 0.6 mi northwest of Clermont, 3.7 mi southeast of Dennisville, and 5.6 mi above mouth.

Drainage area: 0.67 mi²

Station type: Low-flow partial-record station

Period of record: 1967-1991

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1967-1991	0.1	0.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1967-1991		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.0

CAPE MAY BASIN

01411434 Sluice Creek at outlet Clint Mill Pond at South Dennis, NJ

Location: Latitude 39° 09' 21", Longitude 74° 49' 05", Cape May County, Hydrologic Unit 02040206, at outlet of Clint Millpond, 1.6 mi south of the intersection of Rtes 47 and 83 in South Dennis, and 2.7 mi west of Cedar Grove.

Drainage area: 8.47 mi²

Station type: Low-flow partial-record station

Period of record: 1991-1992

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411300, 01411500, and 01477120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1991-1992	25	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1991-1992		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.1
	30	0.2

CAPE MAY BASIN

01411438 Dennis Creek tributary 1 near North Dennis, NJ

Location: Latitude 39° 11' 41", Longitude 74° 50' 29", Cape May County, Hydrologic Unit 02040206, at dammed pond 1.1 mi west of Dennisville on Rt 47.

Drainage area: 2.74 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	3.2	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

CAPE MAY BASIN

01411442 East Creek near Eldora, NJ

Location: Latitude 39° 13' 21", Longitude 74° 53' 11", Cape May County, Hydrologic Unit 02040206, at dam on East Creek Mill Road 1.2 mi Northeast of Eldora.

Drainage area: 8.1 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	8.7	4.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	1.1
(Nov.-Apr.)	7	1.4
	30	1.9

CAPE MAY BASIN

01411444 West Creek near Leesburg, NJ

Location: Latitude 39° 15' 36", Longitude 74° 54' 41", Cumberland County, Hydrologic Unit 02040206, at bridge on County Route 550, 1.5 mi upstream of Hands Millpond, 2.4 mi south of Halberton, and 4.0 mi east of Leesburg.

Drainage area: 6.64 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, and 01411500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	31	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

CAPE MAY BASIN

01411445 West Creek near Eldora, NJ

Location: Latitude 39° 13' 39", Longitude 74° 54' 47", Cape May County, Hydrologic Unit 02040206, at dam on Moslander-Paper Mill Road (550 Spur) 0.9 mi North of Eldora and 1.3 mi downstream of Hand Mills Pond.

Drainage area: 11.9 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	13	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.8

MAURICE, SALEM, AND COHANSEY BASIN

01411450 Still Run at Aura, NJ

Location: Latitude 39° 40' 23", Longitude 75° 07' 49", Gloucester County, Hydrologic Unit 02040206, at bridge on Aura-Glassboro Road, 0.4 mi east of Aura, 1.0 mi upstream of Silver Lake and 2.6 mi southeast of Glassboro.

Drainage area: 3.21 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411500, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1990	4.2	2.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1990		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	0.9
(Nov.-Apr.)	7	1.2
	30	1.5

MAURICE, SALEM, AND COHANSEY BASIN

01411456 Little Ease Run near Clayton, NJ

Location: Latitude 39° 39' 32", Longitude 75° 04' 03", Gloucester County, Hydrologic Unit 02040206, at bridge on Academy Road, 0.9 mi west of Fries Mill, 1.3 mi east of Clayton, and 1.4 mi downstream from Beaverdam Branch.

Drainage area: 9.77 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1976-2003

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-2003	9.3	4.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-2003		
Annual	1	0.3
(Apr.-Mar.)	7	0.5
	30	0.7
Winter	1	1.1
(Nov.-Apr.)	7	1.4
	30	2.0

MAURICE, SALEM, AND COHANSEY BASIN

01411460 Scotland Run near Williamstown, NJ

Location: Latitude 39° 41' 34", Longitude 75° 02' 27", Gloucester County, Hydrologic Unit 02040206, at bridge on U.S. Route 322, 2.0 mi upstream of Wilson Lake, and 2.7 mi west of Williamstown.

Drainage area: 3.96 mi²

Station type: Low-flow partial-record station

Period of record: 1990-1992

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, 01411300, 01411500, 01467150, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-1992	6.0	3.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-1992		
Annual	1	0.9
(Apr.-Mar.)	7	1.0
	30	1.3
Winter	1	1.6
(Nov.-Apr.)	7	1.8
	30	2.3

MAURICE, SALEM, AND COHANSEY BASIN

01411461 Scotland Run at Fries Mill, NJ

Location: Latitude 39° 39' 21", Longitude 75° 03' 04", Gloucester County, Hydrologic Unit 02040206, at bridge on Clayton-Williamstown Road, at Fries Mill, at outlet of Wilson Lake, and 2.2 mi east of Clayton.

Drainage area: 9.25 mi²

Station type: Low-flow partial-record station

Period of record: 1990-1992

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-1992	14	8.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-1992		
Annual	1	1.3
(Apr.-Mar.)	7	1.7
	30	2.2
Winter	1	3.0
(Nov.-Apr.)	7	3.6
	30	4.6

MAURICE, SALEM, AND COHANSEY BASIN

01411462 Scotland Run at Franklinville, NJ

Location: Latitude 39° 37' 05", Longitude 75° 03' 35", Gloucester County, Hydrologic Unit 02040206, at bridge on State Route 538, 0.9 mi east of Franklinville, 2.7 mi upstream of Malaga Lake and 2.8 mi southeast of Clayton.

Drainage area: 14.8 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01410000, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1990	22	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1990		
Annual	1	2.9
(Apr.-Mar.)	7	4.0
	30	4.8
Winter	1	6.3
(Nov.-Apr.)	7	7.3
	30	9.1

MAURICE, SALEM, AND COHANSEY BASIN

01411466 Indian Brook near Malaga, NJ

Location: Latitude 39° 35' 27", Longitude 75° 03' 35", Gloucester County, Hydrologic Unit 02040206, at bridge on U.S. Route 47 (Delsea Drive), 0.4 mi upstream of Malaga Lake, and 1.4 mi north of Malaga.

Drainage area: 6.5 mi²

Station type: Low-flow partial-record station

Period of record: 1957-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411300, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2001	8.7	5.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2001		
Annual	1	1.2
(Apr.-Mar.)	7	1.3
	30	1.6
Winter	1	2.5
(Nov.-Apr.)	7	2.8
	30	3.4

MAURICE, SALEM, AND COHANSEY BASIN

01411485 Maurice River at Brotmanville, NJ

Location: Latitude 39° 31' 19", Longitude 75° 04' 24", Salem County, Hydrologic Unit 02040206, on right bank at downstream side of bridge on Garden Road, 1.3 mi upstream from Blackwater Branch, 2.1 mi downstream from Willow Grove Lake, and 0.5 mi east of Brotmanville.

Drainage area: 88.1 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1992-1994

Remarks: This site has a continuous data record for the period 1992-1994.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-1994	135	92

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-1994		
Annual	1	20
(Apr.-Mar.)	7	24
	30	29
Winter	1	38
(Nov.-Apr.)	7	44
	30	55

MAURICE, SALEM, AND COHANSEY BASIN

01411495 Blackwater Branch at Norma, NJ

Location: Latitude 39° 30' 20", Longitude 75° 04' 21", Cumberland County, Hydrologic Unit 02040206, on right bank 25 ft upstream from bridge on Maurice River Parkway, 0.7 mi northeast of Norma, and 0.4 mi from mouth.

Drainage area: 12.5 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1992-2003

Remarks: This site has a continuous data record for the period 1992-1994.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-2003	17	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-2003		
Annual	1	4.4
(Apr.-Mar.)	7	5.2
	30	6.0
Winter	1	7.2
(Nov.-Apr.)	7	7.9
	30	9.3

MAURICE, SALEM, AND COHANSEY BASIN

01411500 Maurice River at Norma, NJ

Location: Latitude 39° 29' 44", Longitude 75° 04' 37", Salem County, Hydrologic Unit 02040206, on right bank just upstream from bridge on Almond Road (County Route 540) at Norma, 0.8 mi downstream from Blackwater Branch, and 2.9 m west of Vineland.

Drainage area: 112 mi²

Station type: Continuous-record gaging station

Period of record: 1933-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1933-2001	163	23	5,260	120

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1934-2001		**2**	**5**	**10**	**20**
Annual	1	51	37	31	27
(Apr.-Mar.)	7	59	44	38	33
	30	69	52	45	40
Winter	1	83	62	53	46
(Nov.-Apr.)	7	92	71	62	56
	30	116	88	76	67

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1933-2001		**2**	**5**	**10**	**25**
Annual	1	474	786	1,090	1,610
(Oct.-Sept.)	7	391	570	707	902
	30	286	371	421	477
Winter	1	394	573	699	869
(Nov.-Apr.)	7	340	468	550	652
	30	264	344	392	448

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1933-2001																	
Annual	505	434	342	284	232	210	193	167	143	123	104	95	87	68	56	45	39
Winter	502	441	365	306	253	235	222	197	176	156	137	128	117	96	82	69	59

MAURICE, SALEM, AND COHANSEY BASIN

01411650 Muddy Run near Elmer, NJ

Location: Latitude 39° 36' 48", Longitude 75° 11' 20", Salem County, Hydrologic Unit 02040206, at bridge on Friendship Church Road, 1.6 mi north of Elmer, and 1.8 mi upstream of Elmer Lake.

Drainage area: 4.94 mi²

Station type: Low-flow partial-record station

Period of record: 1994-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, 01411300, 01411456, 01411500, and 01477120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1994-2002	9.6	3.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1994-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.6
(Nov.-Apr.)	7	0.8
	30	1.4

MAURICE, SALEM, AND COHANSEY BASIN

01411680 Palatine Branch at Palatine, NJ

Location: Latitude 39° 33' 25", Longitude 75° 10' 27", Salem County, Hydrologic Unit 02040206, at bridge on Elmer-Palatine Road at Palatine, 0.6 mi upstream of Palatine Lake, and 2.5 mi south of Elmer.

Drainage area: 5.39 mi²

Station type: Low-flow partial-record station

Period of record: 1994-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01409500, 01410000, 01411000, 01411300, 01411456, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1994-2003	5.7	3.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1994-2003		
Annual	1	0.0
(Apr.-Mar.)	7	1.0
	30	1.1
Winter	1	1.6
(Nov.-Apr.)	7	1.9
	30	2.3

MAURICE, SALEM, AND COHANSEY BASIN

01411700 Muddy Run at Centerton, NJ

Location: Latitude 39° 31' 28", Longitude 75° 10' 08", Salem County, Hydrologic Unit 02040206, 180 ft downstream of unnamed right bank tributary, 200 ft downstream of bridge on New Jersey Routes 540 and 553 in Centerton, and 4.7 mi south of Elmer.

Drainage area: 36.5 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411300, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1984	42	30

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1984		
Annual	1	7.5
(Apr.-Mar.)	7	10
	30	12
Winter	1	14
(Nov.-Apr.)	7	16
	30	19

MAURICE, SALEM, AND COHANSEY BASIN

01411800 Maurice River near Millville, NJ

Location: Latitude 39° 26' 52", Longitude 75° 04' 21", Cumberland County, Hydrologic Unit 02040206, at bridge on Sherman Avenue, 3.5 mi north of mouth of Union Lake at Millville, and 4 mi southwest of Vineland.

Drainage area: 191 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1966-1994

Remarks: This site has a continuous data record for the period 1992-1994.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1994	283	192

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1994		
Annual	1	47
(Apr.-Mar.)	7	57
	30	68
Winter	1	87
(Nov.-Apr.)	7	106
	30	133

MAURICE, SALEM, AND COHANSEY BASIN

01411850 Mill Creek near Millville, NJ

Location: Latitude 39° 25' 33", Longitude 75° 05' 10", Cumberland County, Hydrologic Unit 02040206, at bridge on dirt road, 1.2 mi upstream from mouth, and 3.3 mi northwest of Millville.

Drainage area: 15.1 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000 and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1997	14	10.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1997		
Annual	1	2.4
(Apr.-Mar.)	7	2.8
	30	3.3
Winter	1	4.5
(Nov.-Apr.)	7	5.1
	30	6.2

MAURICE, SALEM, AND COHANSEY BASIN

01411878 Maurice River at Union Lake Dam at Millville, NJ

Location: Latitude 39° 24' 04", Longitude 75° 03' 18", Cumberland County, Hydrologic Unit 02040206, at Union Lake Dam in Millville, 300 ft upstream of Sharp Street and 1.4 mi upstream of White Marsh Run.

Drainage area: 216 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1973-1994

Remarks: This site has a continuous data record for the period 1993-1994.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1994	314	221

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1994		
Annual	1	54
(Apr.-Mar.)	7	63
	30	76
Winter	1	98
(Nov.-Apr.)	7	113
	30	136

MAURICE, SALEM, AND COHANSEY BASIN

01411880 Maurice River at Sharp Street at Millville, NJ

Location: Latitude 39° 24' 01", Longitude 75° 03' 14", Cumberland County, Hydrologic Unit 02040206, at bridge on Sharp Street, 200 ft downstream from Union Lake, and 0.9 mi northwest of Millville.

Drainage area: 216 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411300, 01411500, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1993	315	221

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1993		
Annual	1	54
(Apr.-Mar.)	7	66
	30	79
Winter	1	97
(Nov.-Apr.)	7	118
	30	144

MAURICE, SALEM, AND COHANSEY BASIN

01411950 Buckshutem Creek near Laurel Lake, NJ

Location: Latitude 39° 20' 51", Longitude 75° 03' 46", Cumberland County, Hydrologic Unit 02040206, at bridge on State Route 555, 1.3 mi upstream of Gravelly Run, 1.8 mi west of Laurel Lake, and 3.6 mi southwest of Millville.

Drainage area: 12.9 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1984	22	5.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1984		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.7

MAURICE, SALEM, AND COHANSEY BASIN

01411955 Gravelly Run at Laurel Lake, NJ

Location: Latitude 39° 20' 14", Longitude 75° 03' 03", Cumberland County, Hydrologic Unit 02040206, at culvert on Battle Lane, 0.3 mi upstream from mouth and Buckshutem Creek, 1.1 mi west of community of Laurel Lake, and 2.5 mi southeast of Millville Municipal Airport.

Drainage area: 3.19 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411300, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	1.9	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.5
	30	0.7

MAURICE, SALEM, AND COHANSEY BASIN

01412000 Menantico Creek near Millville, NJ

Location: Latitude 39° 25' 12", Longitude 74° 57' 59", Cumberland County, Hydrologic Unit 02040206, on right bank at upstream side of Millville Highway bridge, 4.0 mi northeast of Millville, and 7.0 mi upstream from mouth.

Drainage area: 23.2 mi²

Station type: Continuous-record gaging station

Period of record: 1931-1985

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1931-1985	37	1.4	847	26

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1932-1985		**2**	**5**	**10**	**20**
Annual	1	7.9	4.8	3.6	2.8
(Apr.-Mar.)	7	13	8.8	7.2	6.0
	30	17	13	11	10.0
Winter	1	14	9.4	7.5	6.2
(Nov.-Apr.)	7	20	16	14	13
	30	27	21	18	16

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1931-1985		**2**	**5**	**10**	**25**
Annual	1	167	293	409	601
(Oct.-Sept.)	7	100	149	186	238
	30	64	84	97	112
Winter	1	118	183	237	321
(Nov.-Apr.)	7	82	115	138	170
	30	59	77	88	103

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1931-1985																	
Annual	132	104	81	64	50	46	43	37	33	28	24	23	20	16	12	8.5	7.0
Winter	126	106	84	69	56	51	48	43	39	35	31	29	26	21	18	14	12

MAURICE, SALEM, AND COHANSEY BASIN

01412100 Manumuskin River near Manumuskin, NJ

Location: Latitude 39° 20' 57", Longitude 74° 57' 30", Cumberland County, Hydrologic Unit 02040206, at bridge on light duty road, 1.1 mi north of Manamuskin, 2.9 mi northeast of Port Elizabeth, and 5.0 mi upstream from mouth.

Drainage area: 32.1 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1997	40	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1997		
Annual	1	7.0
(Apr.-Mar.)	7	9.3
	30	11
Winter	1	13
(Nov.-Apr.)	7	15
	30	18

MAURICE, SALEM, AND COHANSEY BASIN

01412120 Muskee Creek near Port Elizabeth, NJ

Location: Latitude 39° 18' 56", Longitude 74° 57' 30", Cumberland County, Hydrologic Unit 02040206, at bridge on State Route 548, 1.3 mi east of Port Elizabeth, 1.9 mi upstream from mouth and 2.8 mi northeast of Mauricetown.

Drainage area: 13.1 mi²

Station type: Low-flow partial-record station

Period of record: 1969-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1969-1984	18	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1969-1984		
Annual	1	2.8
(Apr.-Mar.)	7	3.9
	30	4.4
Winter	1	5.6
(Nov.-Apr.)	7	6.5
	30	7.9

MAURICE, SALEM, AND COHANSEY BASIN

01412405 Cohansey River near Beals Mill, NJ

Location: Latitude 39° 31' 29", Longitude 75° 15' 58", Cumberland County, Hydrologic Unit 02040206, at bridge on Beals Mil Road, 1300 ft downstream of Beals Mill and Bostnick Lake, and 1.6 mi west of Deerfield Street.

Drainage area: 9.44 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01411000, and 01411500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1984	7.8	6.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1984		
Annual	1	2.0
(Apr.-Mar.)	7	2.5
	30	2.8
Winter	1	3.3
(Nov.-Apr.)	7	3.7
	30	4.2

MAURICE, SALEM, AND COHANSEY BASIN

01412500 West Branch Cohansey River at Seeley, NJ

Location: Latitude 39° 29' 06", Longitude 75° 15' 32", Cumberland County, Hydrologic Unit 02040206, on right bank 15 ft upstream from bridge on County Highway 31 at Seeley, 450 ft upstream from mouth, and 4.1 mi northwest of Bridgeton.

Drainage area: 2.58 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1961-1999

Remarks: This site has a continuous data record for the period 1961-1968.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-1999	1.6	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-1999		
Annual	1	0.4
(Apr.-Mar.)	7	0.4
	30	0.5
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	0.9

MAURICE, SALEM, AND COHANSEY BASIN

01412800 Cohansey River at Seeley, NJ

Location: Latitude 39° 28' 21", Longitude 75° 15' 20", Cumberland County, Hydrologic Unit 02040206, at bridge on Silver Lake Road, 0.6 mi south of Seeley, and 1.8 mi upstream of Shaw Branch.

Drainage area: 28 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1977-2002

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	33	24

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	9.4
(Apr.-Mar.)	7	10
	30	12
Winter	1	15
(Nov.-Apr.)	7	16
	30	18

MAURICE, SALEM, AND COHANSEY BASIN

01413010 Barrett Run near Bridgeton, NJ

Location: Latitude 39° 26' 58", Longitude 75° 15' 41", Cumberland County, Hydrologic Unit 02040206, at bridge on Mary Elmer Drive, 1800 ft upstream from Mary Elmer Lake, and 2.1 mi northwest of the intersection of State Routes 49 and 77 in Bridgeton.

Drainage area: 7.02 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, and 01411500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1984	5.6	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1984		
Annual	1	1.0
(Apr.-Mar.)	7	1.4
	30	1.6
Winter	1	2.0
(Nov.-Apr.)	7	2.2
	30	2.7

MAURICE, SALEM, AND COHANSEY BASIN

01413020 Indian Fields Branch at Bridgeton, NJ

Location: Latitude 39° 26' 04", Longitude 75° 13' 07", Cumberland County, Hydrologic Unit 02040206, at bridge on Manheim Avenue in Bridgeton, 1300 ft upstream of East Lake.

Drainage area: 4.64 mi²

Station type: Low-flow partial-record station

Period of record: 1976-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-1984	10	7.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-1984		
Annual	1	2.3
(Apr.-Mar.)	7	3.0
	30	3.4
Winter	1	4.0
(Nov.-Apr.)	7	4.5
	30	5.3

MAURICE, SALEM, AND COHANSEY BASIN

01413050 Stow Creek at Jericho, NJ

Location: Latitude 39° 28' 14", Longitude 75° 21' 09", Cumberland County, Hydrologic Unit 02040206, at bridge on Tattletown-Jericho Road, 0.6 mi above Long Branch Run, and 3.0 mi northwest of Shiloh.

Drainage area: 8.07 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411500, 01477120, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1974	17	8.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1974		
Annual	1	1.0
(Apr.-Mar.)	7	1.3
	30	1.8
Winter	1	2.8
(Nov.-Apr.)	7	4.0
	30	5.7

MAURICE, SALEM, AND COHANSEY BASIN

01413060 Canton Drain near Canton, NJ

Location: Latitude 39° 30' 03", Longitude 75° 23' 05", Salem County, Hydrologic Unit 02040206, at highway bridge on Tattletown-Jericho Road, 0.2 mi downstream from Woodmere Lake, 2.6 mi northeast of Canton, Salem County, 3.5 mi southeast of Quinton and 5.5 mi above mouth.

Drainage area: 2.5 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411500, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	3.8	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.1
	30	1.5

MAURICE, SALEM, AND COHANSEY BASIN

01413080 Raccoon D at Davis Mill, NJ

Location: Latitude 39° 25' 26", Longitude 75° 22' 00", Cumberland County, Hydrologic Unit 02040206, at bridge on County Highway 90 at Davis Mill, 2.8 mi upstream from mouth and 4.3 mi southwest of Shiloh.

Drainage area: 3.19 mi²

Station type: Low-flow partial-record station

Period of record: 1976-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-2003	5.4	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-2003		
Annual	1	1.2
(Apr.-Mar.)	7	1.7
	30	1.9
Winter	1	2.2
(Nov.-Apr.)	7	2.5
	30	2.9

UPPER DELAWARE BASIN

01434000 Delaware River at Port Jervis, NY

Location: Latitude 41° 22' 14", Longitude 744° 15' 1", Pike County (PA), Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge between Port Jervis, N.Y. and Matamoras, PA, 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

Drainage area: 3,076 mi²

Station type: Continuous-record gaging station

Period of record: 1905-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1905-1954	5,570	175	113,000	2,230
1955-2001	4,770	385	163,000	2,600

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1906-1954		**2**	**5**	**10**	**20**
Annual	1	585	397	326	277
(Apr.-Mar.)	7	785	519	416	346
	30	1,000	659	531	446
Winter	1	1,320	829	629	491
(Nov.-Apr.)	7	1,630	1,060	815	640
	30	2,280	1,450	1,100	863
1956-2001		**2**	**5**	**10**	**20**
Annual	1	1,060	397	691	582
(Apr.-Mar.)	7	1,370	1,100	922	776
	30	1,600	1,260	1,080	945
Winter	1	1,300	973	819	702
(Nov.-Apr.)	7	1,660	1,270	1,090	948
	30	2,240	1,690	1,460	1,290

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1905-1954		**2**	**5**	**10**	**25**
Annual	1	55,100	73,600	84,600	97,300
(Oct.-Sept.)	7	29,100	37,700	43,000	49,200
	30	16,500	20,900	23,700	27,300
Winter	1	50,100	67,900	79,600	94,100
(Nov.-Apr.)	7	27,800	36,900	42,800	50,000
	30	16,500	20,800	23,700	27,400
1955-2001		**2**	**5**	**10**	**25**
Annual	1	43,000	73,600	77,400	95,800
(Oct.-Sept.)	7	23,200	31,300	36,300	42,300
	30	13,400	17,500	19,700	22,100
Winter	1	38,000	55,200	65,900	78,500
(Nov.-Apr.)	7	21,500	31,300	34,400	40,100
	30	13,000	17,500	19,400	22,000

01434000 Delaware River at Port Jervis, NY--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1905-1954									
Annual	36,800	27,600	18,500	12,800	8,120	6,810	5,900	4,440	3,360
Winter	41,500	33,500	22,800	16,300	11,000	9,340	8,250	6,400	5,030
1955-2001									
Annual	28,700	21,400	14,700	10,400	6,640	5,570	4,740	3,620	2,930
Winter	33,200	25,300	17,800	13,100	8,720	7,510	6,550	5,140	4,170

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1905-1954								
Annual	2,660	2,040	1,760	1,490	1,010	724	522	435
Winter	3,950	3,170	2,810	2,450	1,670	1,240	903	755
1955-2001								
Annual	2,370	2,060	1,900	1,750	1,390	1,200	1,020	868
Winter	3,430	2,840	2,580	2,320	1,790	1,500	1,250	1,060

UPPER DELAWARE BASIN

01437500 Neversink River at Godeffroy, NY

Location: Latitude 41° 26' 28", Longitude 743° 60' 6", Orange County (NY), Hydrologic Unit 02040104, on right bank just upstream from highway bridge on Graham Road, 0.5 mi downstream from Basher Kill, 0.8 mi southeast of Goedeffroy, 1.7 mi south of Cuddebackville, and 8.5 mi upstream from mouth.

Drainage area: 307 mi²

Station type: Continuous-record gaging station

Period of record: 1938-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1938-1954	620	38	12,800	239
1955-2001	423	32	15,900	219

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1939-1954		**2**	**5**	**10**	**20**
Annual	1	65	44	38	34
(Apr.-Mar.)	7	74	52	45	40
	30	95	66	56	51
Winter	1	143	92	73	62
(Nov.-Apr.)	7	170	118	99	86
	30	271	181	147	123
1956-2001		**2**	**5**	**10**	**20**
Annual	1	74	44	46	41
(Apr.-Mar.)	7	84	62	53	47
	30	108	82	71	63
Winter	1	120	84	68	57
(Nov.-Apr.)	7	140	100	82	69
	30	191	135	110	92

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1938-1954		**2**	**5**	**10**	**25**
Annual	1	7,080	9,570	10,600	11,500
(Oct.-Sept.)	7	3,300	4,350	4,830	5,270
	30	1,800	2,280	2,520	2,760
Winter	1	6,260	8,890	10,200	11,600
(Nov.-Apr.)	7	3,120	4,240	4,820	5,400
	30	1,710	2,240	2,540	2,860
1955-2001		**2**	**5**	**10**	**25**
Annual	1	3,770	9,570	7,290	9,240
(Oct.-Sept.)	7	2,090	2,930	3,450	4,060
	30	1,170	1,540	1,750	2,000
Winter	1	3,040	4,330	5,100	5,990
(Nov.-Apr.)	7	1,770	2,930	2,800	3,240
	30	1,060	1,540	1,630	1,900

01437500 Neversink River at Godeffroy, NY--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1938-1954																	
Annual	4,070	2,980	2,000	1,410	940	783	684	506	381	286	207	173	147	100	77	62	54
Winter	4,630	3,500	2,320	1,670	1,150	1,010	888	708	568	457	365	323	280	190	150	121	106
1955-2001																	
Annual	2,390	2,010	1,330	910	581	498	436	341	278	229	186	166	146	108	88	68	61
Winter	2,580	2,080	1,510	1,100	739	638	563	448	367	300	246	221	199	152	115	91	78

UPPER DELAWARE BASIN

01438090 Clove Brook at N.J. Route 23 at Duttonville, NJ

Location: Latitude 41° 21' 06", Longitude 74° 41' 09", Sussex County, Hydrologic Unit 02040104, at bridge on State Route 23, 500 ft north of Duttonville, and 1.0 mi upstream of mouth.

Drainage area: 10.4 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	21	7.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.8
(Apr.-Mar.)	7	0.9
	30	1.2
Winter	1	1.4
(Nov.-Apr.)	7	2.0
	30	3.2

UPPER DELAWARE BASIN

01438400 Shimers Brook near Montague, NJ

Location: Latitude 41° 18' 47", Longitude 74° 46' 51", Sussex County, Hydrologic Unit 02040104, at culvert on County Route 521 (River Road), 0.8 mi upstream of mouth, and 1.0 mi northeast of Montague.

Drainage area: 7.06 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	13	5.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.8
(Apr.-Mar.)	7	1.0
	30	1.2
Winter	1	1.4
(Nov.-Apr.)	7	1.9
	30	2.8

UPPER DELAWARE BASIN

01438500 Delaware River at Montague, NJ

Location: Latitude 41° 18' 33", Longitude 74° 47' 43", Sussex County, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

Drainage area: 3,480 mi²

Station type: Continuous-record gaging station

Period of record: 1940-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-1954	6,600	412	97,900	2,840
1955-2001	5,390	522	187,000	2,970

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-1954		**2**	**5**	**10**	**20**
Annual	1	678	508	455	424
(Apr.-Mar.)	7	1,040	745	635	561
	30	1,280	898	769	688
Winter	1	1,510	1,010	820	696
(Nov.-Apr.)	7	1,960	1,420	1,220	1,080
	30	3,140	2,100	1,690	1,400
1956-2001		**2**	**5**	**10**	**20**
Annual	1	1,250	508	846	729
(Apr.-Mar.)	7	1,560	1,260	1,070	915
	30	1,800	1,450	1,260	1,100
Winter	1	1,540	1,160	974	833
(Nov.-Apr.)	7	1,940	1,460	1,220	1,050
	30	2,560	1,910	1,630	1,430

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-1954		**2**	**5**	**10**	**25**
Annual	1	65,600	87,100	99,100	112,000
(Oct.-Sept.)	7	33,000	42,900	49,000	56,100
	30	18,000	23,000	26,600	31,600
Winter	1	60,500	83,000	97,100	114,000
(Nov.-Apr.)	7	31,700	42,400	49,200	57,500
	30	17,900	23,000	26,700	31,700
1955-2001		**2**	**5**	**10**	**25**
Annual	1	46,700	87,100	86,400	108,000
(Oct.-Sept.)	7	25,600	34,600	40,200	46,800
	30	15,100	19,600	22,000	24,500
Winter	1	41,000	60,000	72,000	86,300
(Nov.-Apr.)	7	23,800	34,600	37,800	43,900
	30	14,600	19,600	21,700	24,500

01438500 Delaware River at Montague, NJ--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1940-1954									
Annual	40,800	30,100	20,300	14,400	9,700	8,470	7,250	5,520	4,250
Winter	45,900	37,300	25,100	17,700	12,300	11,000	9,640	7,730	6,250
1955-2001									
Annual	30,700	24,400	16,900	12,000	7,540	6,450	5,510	4,250	3,300
Winter	36,200	27,600	19,700	14,600	9,910	8,580	7,500	5,950	4,780

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1940-1954								
Annual	3,240	2,500	2,190	1,900	1,270	921	689	596
Winter	4,950	4,020	3,570	3,080	2,260	1,710	1,470	1,230
1955-2001								
Annual	2,740	2,280	2,120	1,970	1,660	1,380	1,160	1,030
Winter	3,940	3,240	2,950	2,670	2,040	1,720	1,400	1,170

UPPER DELAWARE BASIN

01439800 Big Flat Brook near Hainesville, NJ

Location: Latitude 41° 12' 23", Longitude 74° 48' 13", Sussex County, Hydrologic Unit 02040104, at bridge on U.S. Route 206 1.2 mi southeast of Layton, 1.4 mi downstream from Stony Brook, and 3.1 mi south of Hainesville.

Drainage area: 22.8 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	31	10

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	1.2
(Apr.-Mar.)	7	1.4
	30	1.9
Winter	1	2.4
(Nov.-Apr.)	7	3.2
	30	5.2

UPPER DELAWARE BASIN

01439830 Big Flat Brook at Tuttles Corner, NJ

Location: Latitude 41° 12' 00", Longitude 74° 48' 55", Sussex County, Hydrologic Unit 02040104, at bridge on County Route 560, 0.7 mi west of Tuttles Corner, and 2.4 mi upstream of mouth.

Drainage area: 28.3 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	45	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	1.8
(Apr.-Mar.)	7	2.2
	30	2.8
Winter	1	3.5
(Nov.-Apr.)	7	4.8
	30	7.7

UPPER DELAWARE BASIN

01439900 Little Flat Brook at Hainesville, NJ

Location: Latitude 41° 14' 35", Longitude 74° 48' 04", Sussex County, Hydrologic Unit 02040104, at bridge on U.S. Route 206 at Hainesville, 1.1 mi downstream from Beers Kill, and 2.2 mi northeast of Layton.

Drainage area: 8.36 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	13	3.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.5
	30	0.6
Winter	1	0.8
(Nov.-Apr.)	7	1.1
	30	1.9

UPPER DELAWARE BASIN

01439920 Little Flat Brook at Peters Valley, NJ

Location: Latitude 41° 11' 54", Longitude 74° 50' 09", Sussex County, Hydrologic Unit 02040104, 0.8 mi east of Peters Valley 1.1 mi upstream of mouth, and 5.5 mi downstream of bridge on U.S. Route 206.

Drainage area: 14.7 mi²

Station type: Low-flow partial-record station

Period of record: 2001-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01455500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2001-2002	19	6.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2001-2002		
Annual	1	0.8
(Apr.-Mar.)	7	1.1
	30	1.5
Winter	1	1.5
(Nov.-Apr.)	7	2.1
	30	3.3

UPPER DELAWARE BASIN

01440000 Flat Brook near Flatbrookville, NJ

Location: Latitude 41° 06' 24", Longitude 74° 57' 08", Sussex County, Hydrologic Unit 02040104, on right bank 1.0 mi upstream from Flatbrookville, and 1.5 mi upstream from mouth.

Drainage area: 64 mi²

Station type: Continuous-record gaging station

Period of record: 1924-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1924-2001	110	4.1	6,310	41

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1925-2001		**2**	**5**	**10**	**20**
Annual	1	12	8.0	6.6	5.6
(Apr.-Mar.)	7	13	8.9	7.4	6.3
	30	17	11	9.2	8.0
Winter	1	26	15	11	9.1
(Nov.-Apr.)	7	33	20	15	12
	30	52	31	23	18

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1924-2001		**2**	**5**	**10**	**25**
Annual	1	1,120	1,730	2,210	2,910
(Oct.-Sept.)	7	543	723	838	980
	30	300	386	437	498
Winter	1	980	1,480	1,830	2,290
(Nov.-Apr.)	7	499	672	774	891
	30	288	376	429	491

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1924-2001																	
Annual	694	525	339	243	160	138	121	93	72	55	39	33	26	18	13	9.7	8.1
Winter	760	601	411	297	205	178	158	130	107	88	72	64	55	37	24	18	15

UPPER DELAWARE BASIN

01440100 Vancampens Brook near Millbrook, NJ

Location: Latitude 41° 03' 28", Longitude 75° 00' 12", Warren County, Hydrologic Unit 02040104, at bridge on Francis Road, 2.3 mi upstream of mouth, and 2.5 mi southwest of Millbrook.

Drainage area: 7.4 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	13	4.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.0
(Nov.-Apr.)	7	1.3
	30	2.1

UPPER DELAWARE BASIN

01440200 Delaware River near Delaware Water Gap, PA

Location: Latitude 41° 00' 48", Longitude 75° 05' 10", Warren County, Hydrologic Unit 02040104, on left bank 700 ft streamward from River Road, 1.0 mi downstream from Tocks Island, 3.7 mi northeast of Delaware Gap, PA, and 4.0 mi upstream from bridge on Interstate Route 80.

Drainage area: 3,850 mi²

Station type: Continuous-record gaging station

Period of record: 1964-1996

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1964-1996	6,210	580	131,000	3,370

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1965-1996		**2**	**5**	**10**	**20**
Annual	1	1,500	1,210	1,030	880
(Apr.-Mar.)	7	1,830	1,440	1,200	1,000
	30	2,110	1,680	1,440	1,250
Winter	1	1,840	1,370	1,140	959
(Nov.-Apr.)	7	2,190	1,590	1,310	1,100
	30	2,980	2,080	1,690	1,420

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1964-1996		**2**	**5**	**10**	**25**
Annual	1	52,800	74,500	86,700	99,800
(Oct.-Sept.)	7	28,700	39,700	46,700	55,300
	30	16,700	22,800	26,500	30,700
Winter	1	42,600	65,100	80,200	99,300
(Nov.-Apr.)	7	25,900	37,300	44,800	54,200
	30	15,900	22,100	26,100	30,900

01440200 Delaware River near Delaware Water Gap, PA--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1964-1996									
Annual	36,700	28,200	19,500	13,500	8,790	7,280	6,440	4,900	3,800
Winter	40,900	31,900	22,900	16,500	11,300	9,790	8,590	6,810	5,560

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1964-1996								
Annual	3,170	2,590	2,400	2,220	1,850	1,520	1,300	1,070
Winter	4,510	3,690	3,360	3,040	2,310	1,880	1,480	1,170

UPPER DELAWARE BASIN

01442760 Dunnfield Creek at Dunnfield, NJ

Location: Latitude 40° 58' 14", Longitude 75° 07' 34", Warren County, Hydrologic Unit 02040104, at footbridge in Delaware Water Gap National Recreation Area 300 ft upstream from mouth and Delaware River, 0.6 mi northwest of Arrow Island, and 0.6 mi southeast of Delaware Water Gap Toll Bridge on Interstate 80.

Drainage area: 3.56 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	8.0	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.1

UPPER DELAWARE BASIN

01442800 Stony Brook near Columbia, NJ

Location: Latitude 40° 56' 54", Longitude 75° 05' 54", Warren County, Hydrologic Unit 02040105, at bridge on Stony Brook Road, 1.1 mi upstream of mouth, and 1.5 mi north of Columbia.

Drainage area: 3.53 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	4.1	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

UPPER DELAWARE BASIN

01443260 East Branch Paulins Kill tributary 2 near Woodruffs Gap, NJ

Location: Latitude 41° 03' 42", Longitude 74° 39' 36", Sussex County, Hydrologic Unit 02040105, at culvert on private road, 0.4 mi upstream of bridge on Houses Corner Road and 0.7 mi south of Woodruffs Gap.

Drainage area: 2.81 mi²

Station type: Low-flow partial-record station

Period of record: 1992-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-1997	3.1	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-1997		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.6

UPPER DELAWARE BASIN

01443275 East Branch Paulins Kill tributary 1 near Lafayette, NJ

Location: Latitude 41° 04' 12", Longitude 74° 40' 42", Sussex County, Hydrologic Unit 02040105, at culvert on abandoned railroad bed, 0.5 mi upstream of mouth, 1.2 mi west of Woodruffs Gap and 2.0 mi south of Lafayette.

Drainage area: 1.81 mi²

Station type: Low-flow partial-record station

Period of record: 1992-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-1997	0.8	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-1997		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.1

UPPER DELAWARE BASIN

01443280 East Branch Paulins Kill near Lafayette, NJ

Location: Latitude 41° 04' 34", Longitude 74° 41' 44", Sussex County, Hydrologic Unit 02040105, on right downstream wing wall of bridge on Garrison Road, 0.8 mi upstream from mouth, and 1.6 mi south of Lafayette.

Drainage area: 12.99 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1992-2003

Remarks: This site has a continuous data record for the period 1992-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1992-2003	21	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1992-2003		
Annual	1	4.0
(Apr.-Mar.)	7	4.4
	30	4.9
Winter	1	5.3
(Nov.-Apr.)	7	6.1
	30	7.7

UPPER DELAWARE BASIN

01443300 Paulins Kill at Lafayette, NJ

Location: Latitude 41° 06' 23", Longitude 74° 41' 59", Sussex County, Hydrologic Unit 02040105, at bridge on State Route 15, 0.8 mi northwest of Lafayette, and 4.2 mi upstream from Dry Brook.

Drainage area: 33 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	50	24

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	5.8
(Apr.-Mar.)	7	6.8
	30	8.2
Winter	1	9.1
(Nov.-Apr.)	7	11
	30	15

UPPER DELAWARE BASIN

01443400 Culvers Creek at Branchville, NJ

Location: Latitude 41° 08' 49", Longitude 74° 45' 34", Sussex County, Hydrologic Unit 02040105, at bridge on U.S. Route 206 0.4 mi west of Branchville, 0.8 mi upstream of mouth, 2.1 mi downstream from outlet of Culvers Lake.

Drainage area: 11.2 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445000, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	16	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.5

UPPER DELAWARE BASIN

01443409 Dry Brook at Mill Road, at Branchville, NJ

Location: Latitude 41° 08' 37", Longitude 74° 44' 42", Sussex County, Hydrologic Unit 02040105, 0.1 mi downstream of Culvers Creek, 0.2 mi southeast of Branchville, and 1.4 mi upstream of mouth.

Drainage area: 17 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	16	2.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.6

UPPER DELAWARE BASIN

01443450 Paulins Kill near Newton, NJ

Location: Latitude 41° 04' 59", Longitude 74° 46' 56", Sussex County, Hydrologic Unit 02040105, at bridge on secondary road at inlet to Paulins Kill Lake, and 2.4 mi northwest of Newton.

Drainage area: 69.2 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1979	117	50

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1979		
Annual	1	9.4
(Apr.-Mar.)	7	11
	30	14
Winter	1	15
(Nov.-Apr.)	7	20
	30	28

UPPER DELAWARE BASIN

01443460 Paulins Kill at Paulins Kill, NJ

Location: Latitude 41° 03' 08", Longitude 74° 49' 41", Sussex County, Hydrologic Unit 02040105, at bridge on Paulins Kill Lake Road, 300 ft downstream from Paulins Kill Lake outlet, and 0.45 mi southwest of Paulins Kill.

Drainage area: 73 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1979

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1979	118	52

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1979		
Annual	1	9.5
(Apr.-Mar.)	7	12
	30	14
Winter	1	16
(Nov.-Apr.)	7	20
	30	29

UPPER DELAWARE BASIN

01443475 Trout Brook near Middleville, NJ

Location: Latitude 41° 03' 03", Longitude 74° 51' 22", Sussex County, Hydrologic Unit 02040105, at bridge on County Highway 612, 0.4 mi upstream from mouth, 0.5 mi southeast of Middleville, and 5.1 mi west of Newton.

Drainage area: 24 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1989

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01368000, 01440000, and 01443500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1989	55	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1989		
Annual	1	0.8
(Apr.-Mar.)	7	1.1
	30	1.5
Winter	1	1.9
(Nov.-Apr.)	7	2.9
	30	5.4

UPPER DELAWARE BASIN

01443500 Paulins Kill at Blairstown, NJ

Location: Latitude 40° 58' 51", Longitude 74° 57' 13", Warren County, Hydrologic Unit 02040105, on right bank 1,200 ft upstream from bridge on State Highway 94 in Blairstown, 1,400 ft upstream from Blairs Creek, and 10 mi upstream from mouth.

Drainage area: 126 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	197	5.0	5,950	82

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	24	15	12	9.3
(Apr.-Mar.)	7	29	20	16	14
	30	37	25	20	17
Winter	1	46	27	20	15
(Nov.-Apr.)	7	58	35	27	22
	30	93	55	41	31

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	1,510	2,160	2,620	3,260
(Oct.-Sept.)	7	906	1,220	1,430	1,670
	30	513	672	769	886
Winter	1	1,320	1,870	2,200	2,590
(Nov.-Apr.)	7	801	1,100	1,280	1,500
	30	481	641	745	876

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	1,180	873	589	419	290	256	222	174	134	101	75	64	53	35	27	20	18
Winter	1,260	1,010	689	513	366	323	292	240	201	165	132	116	100	63	45	32	27

UPPER DELAWARE BASIN

01443510 Blair Creek at Blairstown, NJ

Location: Latitude 40° 59' 12", Longitude 74° 57' 34", Warren County, Hydrologic Unit 02040105, at bridge on Mill Brook Road at Blairstown, 300 ft upstream of Blair Lake, 0.4 mi upstream of mouth, and 1.2 mi east of Jacksonburg.

Drainage area: 13.1 mi²

Station type: Low-flow partial-record station

Period of record: 1989-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1989-2001	20	6.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1989-2001		
Annual	1	0.7
(Apr.-Mar.)	7	0.9
	30	1.2
Winter	1	1.4
(Nov.-Apr.)	7	1.9
	30	3.0

UPPER DELAWARE BASIN

01443900 Yards Creek near Blairstown, NJ

Location: Latitude 40° 58' 50", Longitude 75° 02' 21", Warren County, Hydrologic Unit 02040105, on left bank 100 ft upstream from bridge on Hainesburg-Mount Vernon Road, 1.4 mi downstream from Lower Yards Creek Reservoir, 2.2 mi northeast of Hainesburg, 4.2 mi west of Blairstown, and 2.4 mi upstream from mouth.

Drainage area: 5.34 mi²

Station type: Continuous-record gaging station

Period of record: 1967-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1967-2001	11	0.0	225	2.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1968-2001		**2**	**5**	**10**	**20**
Annual	1	0.8	0.3	0.2	0.0
(Apr.-Mar.)	7	1.0	0.7	0.6	0.5
	30	1.4	1.0	0.8	0.8
Winter	1	1.3	0.7	0.7	0.2
(Nov.-Apr.)	7	1.7	1.0	0.8	0.6
	30	3.2	1.8	1.4	1.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1967-2001		**2**	**5**	**10**	**25**
Annual	1	99	155	192	236
(Oct.-Sept.)	7	66	92	106	120
	30	33	43	48	55
Winter	1	79	134	175	232
(Nov.-Apr.)	7	54	83	103	128
	30	30	41	48	57

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1967-2001																	
Annual	78	57	38	25	18	15	12	7.8	5.0	3.4	2.5	2.1	1.8	1.3	0.9	0.4	0.2
Winter	96	69	44	31	22	20	18	14	10	7.0	4.5	3.7	3.0	2.0	1.4	1.0	0.8

UPPER DELAWARE BASIN

01445000 Pequest River at Huntsville, NJ

Location: Latitude 40° 58' 52", Longitude 74° 46' 35", Sussex County, Hydrologic Unit 02040105, at bridge on Pequest Road in Huntsville, 0.4 mi downstream from East Branch, and 0.7 mi west of Brighton.

Drainage area: 31 mi²

Station type: Continuous-record gaging station

Period of record: 1940-1962

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-1962	46	1.6	481	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-1962		**2**	**5**	**10**	**20**
Annual	1	4.3	2.5	1.9	1.6
(Apr.-Mar.)	7	4.9	2.8	2.1	1.7
	30	6.7	3.7	2.8	2.2
Winter	1	9.4	5.2	3.9	3.1
(Nov.-Apr.)	7	12	6.5	4.8	3.8
	30	20	11	7.4	5.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-1962		**2**	**5**	**10**	**25**
Annual	1	232	327	391	471
(Oct.-Sept.)	7	173	229	262	300
	30	115	141	155	171
Winter	1	202	264	299	337
(Nov.-Apr.)	7	156	199	222	246
	30	110	135	150	168

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1940-1962																	
Annual	205	175	136	102	77	67	59	45	34	25	17	14	11	6.4	4.4	3.2	2.6
Winter	208	178	144	117	92	83	76	63	51	41	32	27	23	13	8.2	5.7	5.1

UPPER DELAWARE BASIN

01445160 Bear Brook at Dark Moon Road near Johnsonburg, NJ

Location: Latitude 40° 58' 30", Longitude 74° 50' 56", Warren County, Hydrologic Unit 02040105, at bridge on Dark Moon Road, 1.3 mi northeast of Johnsonburg, 0.4 mi northeast of CONRAIL railroad tunnel, and 0.5 mi northwest of Francis Lake.

Drainage area: 5.1 mi^2

Station type: Low-flow partial-record station

Period of record: 2000-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01440000, 01443500, and 01445500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2003	6.1	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2003		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.5

UPPER DELAWARE BASIN

01445200 Bear Creek near Johnsonburg, NJ

Location: Latitude 40° 56' 35", Longitude 74° 52' 30", Warren County, Hydrologic Unit 02040105, at bridge on Bear Creek Road, 1.8 mi upstream of Trout Brook, and 1.5 mi south of Johnsonburg.

Drainage area: 12.9 mi²

Station type: Low-flow partial-record station

Period of record: 1940-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1940-2001	19	8.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1940-2001		
Annual	1	1.4
(Apr.-Mar.)	7	1.7
	30	2.1
Winter	1	2.2
(Nov.-Apr.)	7	2.8
	30	4.0

UPPER DELAWARE BASIN

01445430 Pequest River at Townsbury, NJ

Location: Latitude 40° 51' 06", Longitude 74° 56' 01", Warren County, Hydrologic Unit 02040105, upstream of highway bridge in Townsbury, 2.8 mi northeast of Pequest, and 8.7 mi west of Hackettstown.

Drainage area: 92.5 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1977-2003

Remarks: This site has a continuous data record for the period 1977-1980.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2003	138	53

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2003		
Annual	1	7.6
(Apr.-Mar.)	7	8.8
	30	11
Winter	1	13
(Nov.-Apr.)	7	16
	30	24

UPPER DELAWARE BASIN

01445490 Furnace Brook at Oxford, NJ

Location: Latitude 40° 48' 15", Longitude 74° 59' 41", Warren County, Hydrologic Unit 02040105, at bridge on State Route 31 in Oxford, 2.4 mi upstream from mouth, and 3.2 mi north of Washington.

Drainage area: 4.29 mi²

Station type: Low-flow partial-record station

Period of record: 1965-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-2001	7.6	4.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-2001		
Annual	1	1.0
(Apr.-Mar.)	7	1.1
	30	1.3
Winter	1	1.4
(Nov.-Apr.)	7	1.6
	30	2.1

UPPER DELAWARE BASIN

01445500 Pequest River at Pequest, NJ

Location: Latitude 40° 49' 50", Longitude 74° 58' 42", Warren County, Hydrologic Unit 02040105, on right bank at Pequest, 100 ft upstream from abandoned railroad bridge, and 300 ft downstream from Furnace Brook.

Drainage area: 106 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	157	12	2,040	79

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	31	22	18	16
(Apr.-Mar.)	7	33	23	20	17
	30	39	27	22	19
Winter	1	48	31	25	21
(Nov.-Apr.)	7	57	37	30	25
	30	81	51	39	31

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	797	1,110	1,330	1,610
(Oct.-Sept.)	7	594	811	955	1,140
	30	374	498	579	678
Winter	1	678	978	1,200	1,500
(Nov.-Apr.)	7	514	732	886	1,090
	30	350	478	562	669

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	760	600	442	342	242	207	185	144	114	89	69	60	51	37	28	22	19
Winter	771	632	498	392	291	261	235	194	163	134	106	93	82	56	40	32	28

UPPER DELAWARE BASIN

01445520 Mountain Lake Brook near Pequest, NJ

Location: Latitude 40° 51' 11", Longitude 74° 59' 08", Warren County, Hydrologic Unit 02040105, at bridge on Lake Drive South at outlet of Mountain Lake, 1.5 mi north of Pequest and 1.7 mi upstream from mouth.

Drainage area: 4.35 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	16	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

UPPER DELAWARE BASIN

01445800 Honey Run near Ramseyburg, NJ

Location: Latitude 40° 53' 44", Longitude 75° 01' 03", Warren County, Hydrologic Unit 02040105, at bridge on Hope-Delawar Road, 2.3 mi northeast of Ramseysburg, 2.8 mi southwest of Hope, and 3.1 mi upstream from mouth.

Drainage area: 2.21 mi²

Station type: Low-flow partial-record station

Period of record: 1982-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1990	3.1	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1990		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.4

UPPER DELAWARE BASIN

01445900 Honey Run near Hope, NJ

Location: Latitude 40° 53' 33", Longitude 74° 58' 41", Warren County, Hydrologic Unit 02040105, at bridge on County Route 519, 700 ft upstream from mouth and 1.5 mi south of Hope.

Drainage area: 10.2 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	14	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.4

UPPER DELAWARE BASIN

01446000 Beaver Brook near Belvidere, NJ

Location: Latitude 40° 50' 36", Longitude 75° 02' 47", Warren County, Hydrologic Unit 02040105, at bridge on County Route 618 (Serepta Road), 0.4 mi upstream from mouth, and 2 mi east of Belvidere.

Drainage area: 36.7 mi²

Station type: Continuous-record gaging station

Period of record: 1923-1961

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1923-1961	52	1.2	1,370	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1924-1961		**2**	**5**	**10**	**20**
Annual	1	4.0	2.5	1.6	1.2
(Apr.-Mar.)	7	4.3	2.7	1.8	1.4
	30	6.0	3.5	2.2	2.0
Winter	1	11	6.1	4.4	3.3
(Nov.-Apr.)	7	13	7.1	5.2	4.0
	30	22	12	8.5	6.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1923-1961		**2**	**5**	**10**	**25**
Annual	1	420	624	766	953
(Oct.-Sept.)	7	252	349	415	501
	30	137	182	214	257
Winter	1	322	515	665	884
(Nov.-Apr.)	7	213	305	368	449
	30	129	171	200	237

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1923-1961																	
Annual	292	231	162	124	82	70	61	46	35	26	18	15	12	6.4	4.4	2.9	2.4
Winter	308	245	178	141	104	92	82	67	55	45	36	31	26	16	10	6.6	5.2

UPPER DELAWARE BASIN

01446400 Pequest River at Belvidere, NJ

Location: Latitude 40° 49' 45", Longitude 75° 04' 43", Warren County, Hydrologic Unit 02040105, at bridge on County Route 619 in Belvidere, and 0.3 mi upstream from mouth.

Drainage area: 157 mi²

Station type: Low-flow partial-record station

Period of record: 1974-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01440000, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1974-2003	252	116

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1974-2003		
Annual	1	22
(Apr.-Mar.)	7	25
	30	29
Winter	1	33
(Nov.-Apr.)	7	40
	30	56

UPPER DELAWARE BASIN

01446500 Delaware River at Belvidere, NJ

Location: Latitude 40° 49' 35", Longitude 75° 04' 57", Warren County, Hydrologic Unit 02040105, on left bank at Belvidere, 800 ft downstream from Pequest River, and at river mile 197.7.

Drainage area: 4,535 mi²

Station type: Continuous-record gaging station

Period of record: 1923-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1923-1954	8,280	610	166,000	3,800
1955-2001	7,500	754	184,000	4,010

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1924-1954		**2**	**5**	**10**	**20**
Annual	1	1,070	818	734	485
(Apr.-Mar.)	7	1,360	1,040	926	857
	30	1,660	1,220	1,080	987
Winter	1	992	1,470	2,210	1,190
(Nov.-Apr.)	7	2,680	1,830	1,490	1,250
	30	3,890	2,550	2,010	1,630
1956-2001		**2**	**5**	**10**	**20**
Annual	1	1,090	818	950	682
(Apr.-Mar.)	7	1,990	1,560	1,330	1,140
	30	2,250	1,750	1,510	1,320
Winter	1	2,210	1,580	1,310	1,110
(Nov.-Apr.)	7	2,710	1,950	1,610	1,350
	30	3,620	2,590	2,140	1,820

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1923-1954		**2**	**5**	**10**	**25**
Annual	1	72,600	99,200	116,000	137,000
(Oct.-Sept.)	7	38,200	50,700	59,200	70,500
	30	21,500	27,700	32,400	39,200
Winter	1	65,400	91,100	110,000	135,000
(Nov.-Apr.)	7	35,800	48,700	58,200	71,300
	30	21,300	27,500	32,300	39,200
1955-2001		**2**	**5**	**10**	**25**
Annual	1	59,200	99,200	101,000	122,000
(Oct.-Sept.)	7	34,500	45,800	52,500	60,100
	30	20,400	26,200	29,200	32,500
Winter	1	51,000	73,800	88,200	105,000
(Nov.-Apr.)	7	31,500	45,800	49,100	56,500
	30	19,600	26,200	28,900	32,600

01446500 Delaware River at Belvidere, NJ--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1923-1954									
Annual	47,100	37,600	24,800	18,300	12,500	10,500	9,190	7,050	5,570
Winter	58,000	43,400	29,600	21,800	15,400	13,500	12,100	9,800	7,900
1955-2001									
Annual	42,000	30,900	21,900	16,600	11,000	9,290	8,060	6,180	4,780
Winter	46,900	36,800	26,800	19,900	14,100	12,300	10,900	8,700	7,030

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1923-1954								
Annual	4,340	3,290	2,840	2,400	1,660	1,300	1,060	905
Winter	6,490	5,260	4,700	4,150	2,810	2,100	1,560	1,390
1955-2001								
Annual	3,880	3,140	2,850	2,570	2,000	1,720	1,420	1,230
Winter	5,750	4,650	4,200	3,780	2,860	2,300	1,810	1,510

UPPER DELAWARE BASIN

01446520 Pophandusing Brook at Belvidere, NJ

Location: Latitude 40° 49' 14", Longitude 75° 04' 36", Warren County, Hydrologic Unit 02040105, at bridge on Knowlton Street at Belvidere, 0.5 mi upstream from mouth, and 1.8 mi west of Hazen.

Drainage area: 5.36 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	2.2	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.4

UPPER DELAWARE BASIN

01446568 Buckhorn Creek at Hutchinson Road, at Hutchinson, NJ

Location: Latitude 40° 46' 18", Longitude 75° 07' 52", Warren County, Hydrologic Unit 02040105, at bridge on Hutchinson Road at Hutchinson, 50 ft upstream from unnamed tributary, and 800 ft upstream from mouth.

Drainage area: 8.38 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2002	5.8	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2002		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	0.7
Winter	1	0.8
(Nov.-Apr.)	7	0.9
	30	1.3

UPPER DELAWARE BASIN

01453000 Lehigh River at Bethlehem, PA

Location: Latitude 40° 36' 55", Longitude 752° 24' 4", Lehigh County (PA), Hydrologic Unit 02040106, on left bank 110 ft upstream from New Street at Bethlehem, and 1,800 ft upstream from Monocacy Creek.

Drainage area: 1,279 mi²

Station type: Continuous-record gaging station

Period of record: 1903-1990

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1903-1990	2,340	160	70,400	1,270

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1904-1990		**2**	**5**	**10**	**20**
Annual	1	485	352	294	253
(Apr.-Mar.)	7	527	396	342	303
	30	642	477	409	360
Winter	1	715	471	370	299
(Nov.-Apr.)	7	825	552	438	357
	30	1,140	736	574	464

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1903-1990		**2**	**5**	**10**	**25**
Annual	1	17,900	27,500	35,000	45,900
(Oct.-Sept.)	7	10,000	13,300	15,400	18,000
	30	5,800	7,260	8,120	9,110
Winter	1	15,200	22,600	27,600	34,100
(Nov.-Apr.)	7	8,880	12,000	13,800	16,100
	30	5,370	6,880	7,790	8,850

01453000 Lehigh River at Bethlehem, PA--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1903-1990									
Annual	11,900	9,640	6,670	4,820	3,380	2,960	2,570	2,090	1,670
Winter	13,200	10,300	7,490	5,620	4,090	3,650	3,280	2,700	2,230

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1903-1990								
Annual	1,360	1,090	967	844	615	492	401	342
Winter	1,850	1,530	1,380	1,220	874	650	461	392

UPPER DELAWARE BASIN

01455100 Lopatcong Creek at Phillipsburg, NJ

Location: Latitude 40° 40' 38", Longitude 75° 10' 12", Warren County, Hydrologic Unit 02040105, at bridge on Alternate U.S. Route 22 in Phillipsburg, 100 ft upstream from railroad bridge of CONRAIL, and 3,000 ft above mouth.

Drainage area: 14.5 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2001	15	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2001		
Annual	1	5.8
(Apr.-Mar.)	7	6.1
	30	6.5
Winter	1	6.7
(Nov.-Apr.)	7	7.2
	30	8.3

UPPER DELAWARE BASIN

01455135 Pohatcong Creek at Tunnel Hill Road, near Washington, NJ

Location: Latitude 40° 47' 06", Longitude 74° 57' 41", Warren County, Hydrologic Unit 02040105, 0.8 mi downstream of Willever Lake, 1.1 mi upstream of bridge on State Route 31, and 1.8 mi northeast of Washington.

Drainage area: 9.2 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	11	4.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	1.0
Winter	1	1.1
(Nov.-Apr.)	7	1.3
	30	2.0

UPPER DELAWARE BASIN

01455160 Brass Castle Creek near Washington, NJ

Location: Latitude 40° 45' 55", Longitude 75° 01' 06", Warren County, Hydrologic Unit 02040105, 2.4 mi upstream of mouth, and 3.0 mi west of Port Colden.

Drainage area: 2.34 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2000	2.4	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2000		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

UPPER DELAWARE BASIN

01455200 Pohatcong Creek at New Village, NJ

Location: Latitude 40° 42' 57", Longitude 75° 04' 19", Warren County, Hydrologic Unit 02040105, at bridge on Edison Road, 0.5 mi southeast of New Village, and 8.1 mi downstream of Brass Castle Creek.

Drainage area: 33.3 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1959-2002

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	35	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	2.4
(Apr.-Mar.)	7	2.8
	30	3.3
Winter	1	3.8
(Nov.-Apr.)	7	4.5
	30	6.5

UPPER DELAWARE BASIN

01455230 Merrill Creek at Coopersville, NJ

Location: Latitude 40° 42' 25", Longitude 75° 06' 53", Warren County, Hydrologic Unit 02040105, at bridge on Lows Hollow Road at Coopersville, 0.9 mi north of Stewartsville, 2.1 mi upstream from mouth, and 3.3 mi east of Phillipsburg.

Drainage area: 3.85 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1993

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1993	6.0	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1993		
Annual	1	1.2
(Apr.-Mar.)	7	1.4
	30	1.6
Winter	1	1.7
(Nov.-Apr.)	7	1.9
	30	2.4

UPPER DELAWARE BASIN

01455300 Pohatcong Creek at Carpentersville, NJ

Location: Latitude 40° 37' 30", Longitude 75° 11' 09", Warren County, Hydrologic Unit 02040105, at bridge on Carpentersville- Riegelsville Road, 2,000 ft above mouth, and 0.7 mi south of Carpentersville.

Drainage area: 57 mi²

Station type: Low-flow partial-record station

Period of record: 1932-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01397000, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1932-2002	59	31

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1932-2002		
Annual	1	7.7
(Apr.-Mar.)	7	8.7
	30	9.9
Winter	1	10
(Nov.-Apr.)	7	12
	30	16

UPPER DELAWARE BASIN

01455350 Weldon Brook near Woodport, NJ

Location: Latitude 40° 58' 54", Longitude 74° 35' 17", Morris County, Hydrologic Unit 02040105, at culvert on medium-duty road, 400 ft above mouth at Lake Shawnee, 1.2 mi east of Woodport, and 6.9 mi north of Dover.

Drainage area: 3.63 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, and 01386000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1972	11	1.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.6

UPPER DELAWARE BASIN

01455355 Beaver Brook near Weldon, NJ

Location: Latitude 40° 58' 50", Longitude 74° 34' 07", Morris County, Hydrologic Unit 02040105, at culvert on medium-duty road, 400 ft upstream from mouth at Lake Shawnee, 1.2 mi east of Woodport, and 6.9 mi north of Dover.

Drainage area: 1.72 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1968-1971

Remarks: This site has a continuous data record for the period 1969-1972.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1971	3.1	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1971		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.3

UPPER DELAWARE BASIN

01455360 Beaver Brook near Woodport, NJ

Location: Latitude 40° 58' 34", Longitude 74° 35' 15", Morris County, Hydrologic Unit 02040105, at culvert on light-duty road 220 ft above mouth, 1.2 mi east of Woodport, and 6.5 mi north of Dover.

Drainage area: 2.79 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, 01384500, 01386000, 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1972	5.4	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1972		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.4

UPPER DELAWARE BASIN

01455370 Weldon Brook at Hurdtown, NJ

Location: Latitude 40° 58' 10", Longitude 74° 35' 54", Morris County, Hydrologic Unit 02040105, at bridge on Union Turnpik at Hurdtown, and 400 ft downstream from Lake Shawnee Dam.

Drainage area: 8.09 mi²

Station type: Low-flow partial-record station

Period of record: 1973-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01440000, and 01443500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-2002	18	2.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.9

UPPER DELAWARE BASIN

01455500 Musconetcong River at outlet of Lake Hopatcong, NJ

Location: Latitude 40° 55' 01", Longitude 74° 39' 56", Morris County, Hydrologic Unit 02040105, on left bank just upstream o highway bridge on Lakeside Boulevard (County Route 607), 300 ft downstream from Lake Hopatcong Dam in Landing.

Drainage area: 25.3 mi²

Station type: Continuous-record gaging station

Period of record: 1928-1976

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1928-1976	44	0.0	731	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1929-1976		**2**	**5**	**10**	**20**
Annual	1	4.8	0.3	0.0	0.0
(Apr.-Mar.)	7	8.0	1.7	0.1	0.0
	30	10	6.0	3.8	1.8
Winter	1	8.0	1.0	0.1	0.0
(Nov.-Apr.)	7	9.1	2.8	1.1	0.4
	30	8.5	1.7	0.1	0.0

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1928-1976		**2**	**5**	**10**	**25**
Annual	1	220	315	358	396
(Oct.-Sept.)	7	197	263	286	302
	30	130	170	184	192
Winter	1	149	216	252	290
(Nov.-Apr.)	7	139	191	212	229
	30	96	138	158	177

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1928-1976																	
Annual	247	200	143	108	70	58	47	34	29	23	15	14	12	8.5	5.7	2.7	0.9
Winter	199	180	143	114	85	72	62	42	33	29	21	15	13	9.4	5.9	1.5	0.3

UPPER DELAWARE BASIN

01455550 Musconetcong River at Stanhope, NJ

Location: Latitude 40° 54' 06", Longitude 74° 42' 18", Morris County, Hydrologic Unit 02040105, at bridge on State Highway 183 at Stanhope, at outlet of Lake Musconetcong, and 0.3 mi north of Netcong railroad station.

Drainage area: 29.7 mi²

Station type: Low-flow partial-record station

Period of record: 1973-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01381500, 01384500, 01386000, 01396500, 01440000, 01443500, 01445500, 01455500, 01456000, and 01457000q. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-1974	54	21

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-1974		
Annual	1	3.0
(Apr.-Mar.)	7	3.7
	30	5.3
Winter	1	5.8
(Nov.-Apr.)	7	7.3
	30	11

UPPER DELAWARE BASIN

01455780 Lubbers Run at Lockwood, NJ

Location: Latitude 40° 55' 36", Longitude 74° 43' 08", Sussex County, Hydrologic Unit 02040105, at bridge on U.S. Route 206 at Lockwood, 1.0 mi upstream from mouth, and 1.5 mi northwest of Stanhope.

Drainage area: 16.3 mi²

Station type: Low-flow partial-record station

Period of record: 1981-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01380500, 01384500, 01396500, 01440000, 01443500, 01445500, and 01457000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-2002	42	9.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.6
	30	0.8
Winter	1	1.3
(Nov.-Apr.)	7	1.9
	30	4.1

UPPER DELAWARE BASIN

01456000 Musconetcong River near Hackettstown, NJ

Location: Latitude 40° 53' 17", Longitude 74° 47' 52", Warren County, Hydrologic Unit 02040105, at bridge on route 206 in Stanhope, at outlet of Lake Musconetcong.

Drainage area: 68.9 mi²

Station type: Continuous-record gaging station

Period of record: 1922-1974

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-1974	120	5.3	1,760	59

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-1974		**2**	**5**	**10**	**20**
Annual	1	18	12	9.5	7.8
(Apr.-Mar.)	7	21	15	12	10
	30	28	19	15	12
Winter	1	43	26	19	14
(Nov.-Apr.)	7	48	31	24	20
	30	65	44	35	30

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-1974		**2**	**5**	**10**	**25**
Annual	1	588	869	1,070	1,340
(Oct.-Sept.)	7	421	588	701	846
	30	271	357	412	481
Winter	1	447	645	800	1,020
(Nov.-Apr.)	7	338	462	551	673
	30	240	320	375	447

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-1974																	
Annual	543	424	335	266	190	164	143	112	87	68	53	46	40	28	20	15	12
Winter	528	436	340	284	220	198	179	146	121	101	82	73	66	49	38	28	23

UPPER DELAWARE BASIN

01456080 Mine Brook near Hackettstown, NJ

Location: Latitude 40° 49' 58", Longitude 74° 49' 22", Morris County, Hydrologic Unit 02040105, at bridge on County Route 517 (Schooleys Mountain Road), 600 ft upstream from mouth, and 1.0 mi south of Hackettstown.

Drainage area: 4.96 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01440000, and 01445500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	3.8	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.3

UPPER DELAWARE BASIN

01456100 Hatchery Brook at Hackettstown, NJ

Location: Latitude 40° 51' 21", Longitude 74° 50' 06", Warren County, Hydrologic Unit 02040105, at bridge on U.S. Route 46, in Hackettstown, and 1.2 mi above the N.J. State Fish Hatchery.

Drainage area: 1.82 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1972	2.5	1.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1972		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.5

UPPER DELAWARE BASIN

01456210 Hances Brook near Beattystown, NJ

Location: Latitude 40° 48' 17", Longitude 74° 51' 37", Warren County, Hydrologic Unit 02040105, at bridge on State Route 57 600 ft upstream from mouth, and 1.1 mi southwest of Beattystown.

Drainage area: 4.13 mi²

Station type: Low-flow partial-record station

Period of record: 1990-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01443500, and 01445500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1990-2001	4.9	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1990-2001		
Annual	1	0.7
(Apr.-Mar.)	7	0.8
	30	0.9
Winter	1	0.9
(Nov.-Apr.)	7	1.1
	30	1.4

UPPER DELAWARE BASIN

01457000 Musconetcong River near Bloomsbury, NJ

Location: Latitude 40° 40' 20", Longitude 75° 03' 39", Warren County, Hydrologic Unit 02040105, on right bank just downstream from bridge on Limekiln Road (Person Road), 1.5 mi southwest of Bloomsbury, and 9.5 mi upstream from mouth.

Drainage area: 141 mi²

Station type: Continuous-record gaging station

Period of record: 1904-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1904-2001	238	27	5,850	149

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1905-2001		**2**	**5**	**10**	**20**
Annual	1	63	47	36	41
(Apr.-Mar.)	7	70	53	46	40
	30	81	61	53	46
Winter	1	95	66	54	46
(Nov.-Apr.)	7	110	76	62	52
	30	145	100	82	69

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1904-2001		**2**	**5**	**10**	**25**
Annual	1	1,260	1,900	2,380	3,050
(Oct.-Sept.)	7	796	1,110	1,330	1,600
	30	508	680	787	916
Winter	1	1,010	1,550	1,940	2,500
(Nov.-Apr.)	7	650	928	1,130	1,400
	30	453	625	742	893

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1904-2001																	
Annual	1,060	826	600	476	352	305	277	225	185	151	125	112	99	78	63	52	44
Winter	1,080	875	644	524	406	367	335	284	242	207	175	159	142	105	83	68	60

UPPER DELAWARE BASIN

01457400 Musconetcong River at Riegelsville, NJ

Location: Latitude 40° 35' 32", Longitude 75° 11' 19", Warren County, Hydrologic Unit 02040105, at bridge on Riegelsville-Milford Road (County Route 627) in Riegelsville, 0.2 mi north of Mount Joy, and 0.2 mi upstream from mouth.

Drainage area: 156 mi²

Station type: Low-flow partial-record station

Period of record: 1973-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01443500, 01445500, and 01457000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1973-2003	272	168

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1973-2003		
Annual	1	46
(Apr.-Mar.)	7	56
	30	63
Winter	1	66
(Nov.-Apr.)	7	76
	30	97

UPPER DELAWARE BASIN

01457500 Delaware River at Riegelsville, NJ

Location: Latitude 40° 35' 40", Longitude 75° 11' 24", Warren County, Hydrologic Unit 02040105, just upstream of suspensior bridge at Riegelsville, 600 ft upstream from Musconetcong River.

Drainage area: 6,328 mi²

Station type: Continuous-record gaging station

Period of record: 1906-1971

Remarks: Regulation since 1953 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1906-1954	11,200	906	228,000	5,390
1955-1971	9,690	1,340	221,000	5,490

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1907-1954		**2**	**5**	**10**	**20**
Annual	1	1,770	1,330	1,170	1,060
(Apr.-Mar.)	7	2,000	1,490	1,300	1,180
	30	2,390	1,740	1,510	1,350
Winter	1	3,170	2,090	1,370	1,660
(Nov.-Apr.)	7	3,660	2,430	1,930	1,590
	30	5,130	3,230	2,480	1,980
1956-1971		**2**	**5**	**10**	**20**
Annual	1	2,360	1,330	1,460	1,260
(Apr.-Mar.)	7	2,650	1,970	1,660	1,430
	30	2,990	2,220	1,880	1,630
Winter	1	3,180	2,230	1,810	1,510
(Nov.-Apr.)	7	3,950	2,780	2,250	1,860
	30	5,210	3.8	3,110	2,560

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1906-1954		**2**	**5**	**10**	**25**
Annual	1	85,600	15,700	135,000	158,000
(Oct.-Sept.)	7	50,300	64,800	73,900	85,200
	30	29,700	37,400	42,900	50,300
Winter	1	77,800	6,580	127,000	153,000
(Nov.-Apr.)	7	47,900	62,900	73,000	86,000
	30	29,400	37,200	42,800	50,400
1955-1971		**2**	**5**	**10**	**25**
Annual	1	67,400	15,700	133,000	174,000
(Oct.-Sept.)	7	45,100	62,300	73,600	88,100
	30	26,900	32,700	35,500	38,200
Winter	1	56,700	79,500	95,100	115,000
(Nov.-Apr.)	7	39,000	62,300	61,300	72,900
	30	25,300	32,700	34,700	38,200

01457500 Delaware River at Riegelsville, NJ--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1906-1954									
Annual	61,600	46,800	33,600	24,700	16,800	14,300	12,600	9,580	7,480
Winter	71,200	55,900	40,300	30,400	21,700	19,000	16,800	13,600	11,000
1955-1971									
Annual	47,800	40,300	28,300	20,800	13,900	12,100	10,300	8,130	6,560
Winter	53,400	43,000	33,000	25,800	18,200	16,100	14,300	11,400	9,180

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1906-1954								
Annual	6,000	4,650	4,010	3,380	2,440	1,890	1,520	1,300
Winter	8,900	7,170	6,370	5,510	3,720	2,820	2,030	1,780
1955-1971								
Annual	5,400	4,480	4,080	3,690	2,760	2,210	1,810	1,680
Winter	7,670	6,460	5,960	5,440	4,330	3,480	2,570	2,050

CENTRAL DELAWARE BASIN

01458100 Hakihokake Creek at Milford, NJ

Location: Latitude 40° 34' 06", Longitude 75° 05' 43", Hunterdon County, Hydrologic Unit 02040105, at highway bridge in Milford, 4,000 ft upstream from mouth.

Drainage area: 17.2 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01397000, and 01398000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	23	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	3.2
(Apr.-Mar.)	7	3.6
	30	4.2
Winter	1	4.6
(Nov.-Apr.)	7	5.3
	30	7.0

CENTRAL DELAWARE BASIN

01458400 Hakihokake Creek near Frenchtown, NJ

Location: Latitude 40° 32' 53", Longitude 75° 04' 08", Hunterdon County, Hydrologic Unit 02040105, at bridge on Frenchtown Milford Road, 1,600 ft upstream from mouth, and 1.5 mi north of Frenchtown.

Drainage area: 9.75 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01396660, 01398000, 01401000, 01457000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	13	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.5
Winter	1	0.7
(Nov.-Apr.)	7	1.0
	30	1.7

CENTRAL DELAWARE BASIN

01458570 Nishisakawick Creek near Frenchtown, NJ

Location: Latitude 40° 32' 32", Longitude 75° 02' 48", Hunterdon County, Hydrologic Unit 02040105, 1.3 mi north of Frenchtown, 2.1 mi upstream from Delaware River, and 3.1 mi southeast of Milford.

Drainage area: 10.1 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, and 01445500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	18	4.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	0.3
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	0.9
(Nov.-Apr.)	7	1.2
	30	2.1

CENTRAL DELAWARE BASIN

01458600 Nishisakawick Creek at Frenchtown, NJ

Location: Latitude 40° 31' 27", Longitude 75° 03' 41", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29 at Frenchtown, and 700 ft above mouth.

Drainage area: 11 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01397000, 01398000, and 01400000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	27	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.2
(Nov.-Apr.)	7	0.4
	30	1.0

CENTRAL DELAWARE BASIN

01458700 Little Nishisakawick Creek at Frenchtown, NJ

Location: Latitude 40° 31' 23", Longitude 75° 03' 42", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29 at Frenchtown, and 500 ft above mouth.

Drainage area: 3.5 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01457000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	3.3	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

MILLSTONE BASIN

01460500 Delaware and Raritan Canal at Kingston, NJ

Location: Latitude 40° 22' 25", Longitude 74° 37' 06", Middlesex County, Hydrologic Unit 02030105, at canal lock at Kingsto
near dam at Carnegie Lake, 160 ft upstream from bridge on State Route 27.

Drainage area: --

Station type: Continuous-record gaging station

Period of record: 1947-1992

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1947-1992	78	0.0	258	20

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1948-1992		**2**	**5**	**10**	**20**
Annual	1	25	0.0	0.0	0.0
(Apr.-Mar.)	7	55	5.0	0.0	0.0
	30	65	13	2.5	1.0
Winter	1	50	0.0	0.0	0.0
(Nov.-Apr.)	7	55	5.6	0.0	0.0
	30	70	28	12	1.3

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1947-1992		**2**	**5**	**10**	**25**
Annual	1	121	152	171	195
(Oct.-Sept.)	7	110	135	147	158
	30	102	128	140	151
Winter	1	112	148	169	194
(Nov.-Apr.)	7	102	133	147	160
	30	96	128	141	151

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1947-1992																	
Annual	184	158	144	134	113	103	97	90	82	75	62	54	45	27	12	0.8	0.4
Winter	166	159	136	126	114	108	102	94	86	78	64	57	45	26	10	0.0	0.0

CENTRAL DELAWARE BASIN

01460900 Lockatong Creek near Raven Rock, NJ

Location: Latitude 40° 24' 28", Longitude 75° 00' 51", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29, 1.1 mi east of Raven Rock, and 300 ft upstream from mouth.

Drainage area: 23.2 mi²

Station type: Low-flow partial-record station

Period of record: 1944-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01401000, and 01402000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1944-2002	30	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1944-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	1.2

CENTRAL DELAWARE BASIN

01461300 Wickecheoke Creek at Stockton, NJ

Location: Latitude 40° 24' 41", Longitude 74° 59' 12", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29 at Stockton, and 900 ft above mouth.

Drainage area: 26.6 mi²

Station type: Low-flow partial-record station

Period of record: 1958-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01400000, and 01401000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-1990	30	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-1990		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.4
Winter	1	0.8
(Nov.-Apr.)	7	1.2
	30	2.5

CENTRAL DELAWARE BASIN

01461900 Alexauken Creek near Lambertville, NJ

Location: Latitude 40° 22' 51", Longitude 74° 56' 53", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29, 0.4 mi upstream from mouth and 1.1 mi north of Lambertville.

Drainage area: 14.8 mi²

Station type: Low-flow partial-record station

Period of record: 1954-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01398000, 01400000, and 01401000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1954-2002	25	2.4

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1954-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.6
	30	1.4

CENTRAL DELAWARE BASIN

01462200 Moores Creek near Titusville, NJ

Location: Latitude 40° 19' 26", Longitude 74° 55' 01", Mercer County, Hydrologic Unit 02040105, at bridge on State Route 29 400 ft above mouth, 2.1 mi northwest of Titusville.

Drainage area: 10.2 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01457000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2002	11	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.8

CENTRAL DELAWARE BASIN

01462800 Jacobs Creek at Somerset, NJ

Location: Latitude 40° 16' 42", Longitude 74° 51' 13", Mercer County, Hydrologic Unit 02040105, at bridge on State Route 29400 ft upstream from mouth0.3 mi north of Somerset and 1.4 mi south of Washington Crossing Road.

Drainage area: 13.3 mi²

Station type: Low-flow partial-record station

Period of record: 1958-2000

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01396500, 01398000, 01401000, 01457000, 01464000, and 01464500. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1958-2000	31	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1958-2000		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.8

CENTRAL DELAWARE BASIN

01463500 Delaware River at Trenton, NJ

Location: Latitude 40° 13' 18", Longitude 74° 46' 41", Mercer County, Hydrologic Unit 02040105, on left bank 450 ft upstrean from Calhoun Street Bridge at Trenton, 0.5 mi upstream from Assunpink Creek, and at river mile 134.5.

Drainage area: 6,780 mi²

Station type: Continuous-record gaging station

Period of record: 1913-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1913-1954	12,000	1,240	214,000	5,980
1955-2001	11,400	1,240	279,000	6,350

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1914-1954		**2**	**5**	**10**	**20**
Annual	1	2,020	1,550	1,380	1,270
(Apr.-Mar.)	7	2,260	1,710	1,510	1,380
	30	2,680	1,990	1,740	1,580
Winter	1	3,530	2,360	1,560	1,880
(Nov.-Apr.)	7	4,040	2,670	2,120	1,730
	30	5,720	3,620	2,800	2,240
1956-2001		**2**	**5**	**10**	**20**
Annual	1	2,740	1,550	1,780	1,530
(Apr.-Mar.)	7	3,070	2,380	2,030	1,750
	30	3,490	2,670	2,270	1,970
Winter	1	3,700	2,630	2,170	1,840
(Nov.-Apr.)	7	4,330	3,100	2,560	2,160
	30	5,810	2,670	3,330	1,970

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1913-1954		**2**	**5**	**10**	**25**
Annual	1	88,700	19,500	139,000	163,000
(Oct.-Sept.)	7	51,400	66,200	76,000	88,500
	30	30,500	38,700	44,700	52,900
Winter	1	79,000	8,700	130,000	158,000
(Nov.-Apr.)	7	48,300	63,400	74,200	88,700
	30	30,200	38,400	44,500	53,000
1955-2001		**2**	**5**	**10**	**25**
Annual	1	75,400	19,500	132,000	163,000
(Oct.-Sept.)	7	49,000	64,400	73,800	84,900
	30	29,400	37,600	42,000	46,600
Winter	1	65,900	94,400	113,000	135,000
(Nov.-Apr.)	7	44,300	64,400	68,700	78,700
	30	27,800	37,600	41,500	47,100

01463500 Delaware River at Trenton, NJ--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1913-1954									
Annual	62,400	47,900	35,600	26,300	18,200	15,300	13,600	10,500	8,290
Winter	71,300	56,700	40,700	31,700	22,600	20,100	18,100	14,700	11,900
1955-2001									
Annual	58,900	45,300	32,800	24,400	16,700	14,300	12,700	9,710	7,780
Winter	63,700	52,100	38,200	29,000	21,000	18,500	16,400	13,400	11,000

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1913-1954								
Annual	6,520	5,050	4,450	3,860	2,730	2,140	1,750	1,620
Winter	9,710	7,700	6,890	5,990	4,040	3,170	2,350	1,970
1955-2001								
Annual	6,320	5,060	4,580	4,130	3,180	2,640	2,150	1,840
Winter	9,190	7,520	6,790	6,090	4,690	3,680	2,780	2,410

CENTRAL DELAWARE BASIN

01463620 Assunpink Creek near Clarksville, NJ

Location: Latitude 40° 16' 11", Longitude 74° 40' 19", Mercer County, Hydrologic Unit 02040105, at bridge on Quaker Bridge Road 1.9 mi south of Clarksville, 2.0 mi upstream from Shiptetaukin Creek, and 3.6 mi southeast of Lawrenceville.

Drainage area: 34.3 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1964-2003

Remarks: This site has a continuous data record for the period 2000-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2003	55	27

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2003		
Annual	1	3.7
(Apr.-Mar.)	7	4.3
	30	5.6
Winter	1	9.1
(Nov.-Apr.)	7	11
	30	16

CENTRAL DELAWARE BASIN

01463650 Shipetaukin Creek at Lawrenceville, NJ

Location: Latitude 40° 17' 48", Longitude 74° 42' 22", Mercer County, Hydrologic Unit 02040105, 300 ft upstream of bridge on County Route 583 (Princeton Pike), 1.3 mi east of Lawrenceville, and 2.2 mi upstream of mouth.

Drainage area: 4.47 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000 and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	13	2.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.5
(Nov.-Apr.)	7	0.8
	30	1.5

CENTRAL DELAWARE BASIN

01463670 Shipetaukin Creek at Bakersville, NJ

Location: Latitude 40° 16' 26", Longitude 74° 42' 09", Mercer County, Hydrologic Unit 02040105, at bridge on County Route 546 (Youngs Road), 0.3 mi east of Bakersville, and 0.4 mi upstream of mouth.

Drainage area: 8.97 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000 and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	21	6.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.5
(Apr.-Mar.)	7	0.6
	30	1.0
Winter	1	2.0
(Nov.-Apr.)	7	2.6
	30	4.3

CENTRAL DELAWARE BASIN

01463690 Little Shabakunk Creek at Bakersville, NJ

Location: Latitude 40° 16' 06", Longitude 74° 42' 53", Mercer County, Hydrologic Unit 02040105, at bridge on U.S. Route 1, 0.5 mi above mouth, 0.6 mi southwest of Bakersville, and 2.2 mi southeast of Lawrenceville.

Drainage area: 3.98 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1963-1976

Remarks: This site has a continuous data record for the period 1976-1977.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1976	7.7	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1976		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	1.2

CENTRAL DELAWARE BASIN

01463750 Shabakunk Creek at Ewingville, NJ

Location: Latitude 40° 15' 47", Longitude 74° 45' 36", Mercer County, Hydrologic Unit 02040105, at bridge on Ewingville Road, 1.2 mi east of Ewingville, and 3.0 mi upstream of mouth.

Drainage area: 5 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000 and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	9.7	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.3
Winter	1	0.6
(Nov.-Apr.)	7	0.8
	30	1.5

CENTRAL DELAWARE BASIN

01463790 West Branch Shabakunk Creek near Ewingville, NJ

Location: Latitude 40° 14' 55", Longitude 74° 45' 23", Mercer County, Hydrologic Unit 02040105, at bridge on Spruce Street, 0.5 mi upstream from mouth, and 1.7 mi southeast of Ewingville.

Drainage area: 4.56 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000 and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	5.1	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.4
(Apr.-Mar.)	7	0.4
	30	0.6
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.7

CENTRAL DELAWARE BASIN

01463830 Miry Run at Robbinsville, NJ

Location: Latitude 40° 13' 41", Longitude 74° 37' 12", Mercer County, Hydrologic Unit 02040105, at bridge on County Route 526 (Robbinsville-Edinburg Road), 0.9 mi north of Robbinsville, and 5.6 mi upstream of mouth.

Drainage area: 4.02 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000 and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	3.5	1.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	0.9

CENTRAL DELAWARE BASIN

01463860 Miry Run at Mercerville, NJ

Location: Latitude 40° 14' 57", Longitude 74° 42' 40", Mercer County, Hydrologic Unit 02040105, at bridge on Klockner Road 0.4 mi upstream of mouth, and 1.5 mi northwest of Mercerville.

Drainage area: 12.4 mi²

Station type: Low-flow partial-record station

Period of record: 1963-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01408000, 01408500, 01409400, 01411000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-2002	16	4.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	1.0
(Nov.-Apr.)	7	1.4
	30	2.3

CENTRAL DELAWARE BASIN

01463980 Pond Run at Trenton, NJ

Location: Latitude 40° 13' 43", Longitude 74° 43' 39", Mercer County, Hydrologic Unit 02040105, at bridge on Greenwood Avenue, 1.1 mi upstream from mouth, and 1.6 mi east of Trenton.

Drainage area: 8.94 mi²

Station type: Low-flow partial-record station

Period of record: 1963-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500 and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1963-1972	5.2	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1963-1972		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.3
(Nov.-Apr.)	7	0.4
	30	0.7

CENTRAL DELAWARE BASIN

01464000 Assunpink Creek at Trenton, NJ

Location: Latitude 40° 13' 27", Longitude 74° 44' 57", Mercer County, Hydrologic Unit 02040105, on left bank 20 ft upstream from bridge on Chambers Street (Lincoln Avenue) in Trenton, and 1.5 mi upstream from mouth.

Drainage area: 90.6 mi²

Station type: Continuous-record gaging station

Period of record: 1924-2001

Remarks: Regulation since 1954 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1924-1954	118	4.0	2,830	55
1955-2001	144	7.4	4,050	74

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1925-1954		**2**	**5**	**10**	**20**
Annual	1	15	9.1	6.8	5.3
(Apr.-Mar.)	7	20	14	12	11
	30	27	20	17	15
Winter	1	37	22	16	12
(Nov.-Apr.)	7	44	32	27	24
	30	65	44	36	31
1956-2001		**2**	**5**	**10**	**20**
Annual	1	28	9.1	14	11
(Apr.-Mar.)	7	32	22	17	14
	30	42	28	22	17
Winter	1	46	35	30	26
(Nov.-Apr.)	7	54	41	35	31
	30	78	--	47	--

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1924-1954		**2**	**5**	**10**	**25**
Annual	1	924	1,370	1,720	2,230
(Oct.-Sept.)	7	516	695	819	982
	30	277	351	397	451
Winter	1	809	1,170	1,420	1,760
(Nov.-Apr.)	7	466	612	703	814
	30	261	334	377	426
1955-2001		**2**	**5**	**10**	**25**
Annual	1	1,190	1,370	2,310	2,990
(Oct.-Sept.)	7	604	843	1,000	1,200
	30	324	429	492	567
Winter	1	1,020	1,450	1,720	2,060
(Nov.-Apr.)	7	518	843	824	966
	30	297	429	461	536

01464000 Assunpink Creek at Trenton, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1924-1954																	
Annual	710	535	362	253	167	146	125	99	79	63	50	45	39	27	21	14	11
Winter	726	600	417	310	209	182	162	133	110	92	77	70	63	48	39	31	25
1955-2001																	
Annual	843	670	450	306	196	169	151	117	96	78	64	57	51	37	30	22	19
Winter	876	704	498	355	239	210	185	153	128	109	92	84	75	59	48	39	33

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464300 Crosswicks Creek near Cookstown, NJ

Location: Latitude 40° 02' 44", Longitude 74° 32' 22", Burlington County, Hydrologic Unit 02040201, at bridge on Bunting Bridge Road, 0.7 mi upstream from North Run, and 1.2 mi east of Cookstown.

Drainage area: 24.9 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	33	21

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	5.9
(Apr.-Mar.)	7	6.5
	30	7.7
Winter	1	11
(Nov.-Apr.)	7	12
	30	15

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464380 North Run at Cookstown, NJ

Location: Latitude 40° 02' 58", Longitude 74° 33' 46", Burlington County, Hydrologic Unit 02040201, at bridge on Spur County Route 528 at downstream end of Cookstown Pond at Cookstown.

Drainage area: 7.28 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	8.2	5.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	1.7
(Apr.-Mar.)	7	1.9
	30	2.2
Winter	1	3.0
(Nov.-Apr.)	7	3.4
	30	4.0

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464460 Lahaway Creek near Hornerstown, NJ

Location: Latitude 40° 06' 24", Longitude 74° 32' 11", Monmouth County, Hydrologic Unit 02040201, at bridge on Allentown-New Egypt Road, 1.0 mi west of Hornerstown.

Drainage area: 21.4 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	29	20

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	5.5
(Apr.-Mar.)	7	6.0
	30	7.0
Winter	1	9.8
(Nov.-Apr.)	7	11
	30	13

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464480 Miry Run at Holmes Mills, NJ

Location: Latitude 40° 08' 02", Longitude 74° 32' 34", Monmouth County, Hydrologic Unit 02040201, at bridge on Allentown-New Egypt Road at Holmes Mills and 1.0 mi west of Cream Ridge.

Drainage area: 3.15 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408500, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	3.8	2.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.7
	30	0.9
Winter	1	1.3
(Nov.-Apr.)	7	1.4
	30	1.7

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464500 Crosswicks Creek at Extonville, NJ

Location: Latitude 40° 08' 14", Longitude 74° 36' 00", Mercer County, Hydrologic Unit 02040201, on right bank upstream fror bridge on Extonville Road, 0.5 mi south of Extonville, 0.5 mi upstream from Pleasant Run, and 0.7 mi downstream from Mercer- Monmouth County line.

Drainage area: 81.5 mi²

Station type: Continuous-record gaging station

Period of record: 1940-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-2001	134	8.7	3,930	77

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-2001		**2**	**5**	**10**	**20**
Annual	1	31	22	18	15
(Apr.-Mar.)	7	35	25	21	17
	30	44	31	26	21
Winter	1	56	44	39	34
(Nov.-Apr.)	7	64	51	45	40
	30	87	66	57	50

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-2001		**2**	**5**	**10**	**25**
Annual	1	1,260	1,930	2,420	3,060
(Oct.-Sept.)	7	551	769	905	1,070
	30	282	376	436	509
Winter	1	992	1,510	1,860	2,320
(Nov.-Apr.)	7	463	657	781	933
	30	265	359	421	497

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1940-2001																	
Annual	832	612	393	260	171	147	136	113	94	80	66	60	53	40	33	27	25
Winter	887	701	464	315	204	181	164	138	121	107	94	88	82	68	59	49	42

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464504 Crosswicks Creek at Groveville Road, at Groveville, NJ

Location: Latitude 40° 10' 02", Longitude 74° 40' 39", Mercer County, Hydrologic Unit 02040201, at bridge on Groveville Road (Main Street) in Groveville, 1.2 mi upstream of Doctors Creek, and 2.2 mi northeast of Bordentown.

Drainage area: 98 mi²

Station type: Low-flow partial-record station

Period of record: 1998-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, and 01467000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1998-2003	124	82

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1998-2003		
Annual	1	25
(Apr.-Mar.)	7	28
	30	33
Winter	1	46
(Nov.-Apr.)	7	51
	30	62

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464515 Doctors Creek at Allentown, NJ

Location: Latitude 40° 10' 37", Longitude 74° 35' 56", Monmouth County, Hydrologic Unit 02040201, at bridge on Breza Road, 0.8 mi west of Allentown and 0.8 mi downstream from Conines Mill Pond.

Drainage area: 17.4 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	27	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	2.0
(Apr.-Mar.)	7	2.3
	30	3.1
Winter	1	5.3
(Nov.-Apr.)	7	6.2
	30	8.5

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464525 Thorton Creek at Bordentown,, NJ

Location: Latitude 40° 08' 50", Longitude 74° 41' 45", Burlington County, Hydrologic Unit 02040201, upstream side of abandoned dam, 50 ft upstream of Thorton Lane, 0.4 mi upstream of unnamed pond, 0.9 mi east of Bordentown, and 2.5 mi west of Crosswicks.

Drainage area: 0.84 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1976-2003

Remarks: This site has a continuous data record for the period 1976-1977.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1976-2003	0.5	0.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1976-2003		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.1

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464530 Blacks Creek at Mansfield Sqaure, NJ

Location: Latitude 40° 07' 02", Longitude 74° 41' 57", Burlington County, Hydrologic Unit 02040201, at bridge on Mansfield Square-Crosswicks Road, 0.4 mi east of Mansfield Square, and 3.4 mi upstream from mouth.

Drainage area: 19.7 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	22	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	2.5
(Apr.-Mar.)	7	2.7
	30	3.5
Winter	1	5.5
(Nov.-Apr.)	7	6.4
	30	8.3

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464540 Crafts Creek at Hedding, NJ

Location: Latitude 40° 06' 01", Longitude 74° 45' 22", Burlington County, Hydrologic Unit 02040201, at highway bridge on Old York Road 0.2 mi downstream from small tributary, 0.8 mi southwest of Hedding and 1.6 mi southeast of Roebling.

Drainage area: 10.6 mi²

Station type: Low-flow partial-record station

Period of record: 1959-1963

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01411000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-1963	7.4	2.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-1963		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.6
(Nov.-Apr.)	7	0.8
	30	1.3

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464580 Assiscunk Creek at Columbus, NJ

Location: Latitude 40° 03' 25", Longitude 74° 43' 26", Burlington County, Hydrologic Unit 02040201, at bridge on U.S. Route 206, 1.1 mi south of Columbus, and 1.3 mi downstream of Annaricken Creek.

Drainage area: 8.28 mi²

Station type: Low-flow partial-record station

Period of record: 1957-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01401000, 01411000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2002	5.0	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.7
(Nov.-Apr.)	7	0.9
	30	1.3

ASSISCUNK, CROSSWICKS, AND DOCTORS BASIN

01464590 Assiscunk Creek near Burlington, NJ

Location: Latitude 40° 04' 19", Longitude 74° 47' 56", Burlington County, Hydrologic Unit 02040201, at bridge on Old York Road, 3.3 mi east of Burlington, and 4.3 mi upstream from mouth.

Drainage area: 37.4 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01445500, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	21	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	1.8
(Apr.-Mar.)	7	2.0
	30	2.5
Winter	1	3.8
(Nov.-Apr.)	7	4.5
	30	6.1

RANCOCAS BASIN

01465847 Jade Run at Vincentown, NJ

Location: Latitude 39° 56' 10", Longitude 74° 44' 36", Burlington County, Hydrologic Unit 02040202, at bridge on U.S. Route 206, 0.4 mi east of Vincentown, and 0.08 mi upstream of mouth.

Drainage area: 11.3 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01408000, 01408120, 01408500, 01409400, 01411000, 01464500, 01467000, and 01477120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	149	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.2
(Nov.-Apr.)	7	0.5
	30	1.2

RANCOCAS BASIN

01465850 South Branch Rancocas Creek at Vincentown, NJ

Location: Latitude 39° 56' 24", Longitude 74° 45' 47", Burlington County, Hydrologic Unit 02040202, at highway bridge on Lumberton-Vincentown Road 0.8 mi west of Vincentown, 2.9 mi southeast of Lumberton, and 3.1 mi upstream from Southwest Branch.

Drainage area: 64.5 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1959-2002

Remarks: This site has a continuous data record for the periods 1962-1975,1999-2001.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	85	50

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	7.2
(Apr.-Mar.)	7	8.8
	30	11
Winter	1	17
(Nov.-Apr.)	7	20
	30	26

RANCOCAS BASIN

01465865 Barton Run at Tuckerton Road, near Medford, NJ

Location: Latitude 39° 52' 43", Longitude 74° 51' 37", Burlington County, Hydrologic Unit 02040202, at bridge on Tuckerton Road, 1.5 mi upstream of Southwest Branch Rancocas Creek, and 2.5 mi southwest of Medford.

Drainage area: 12 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	20	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	1.3
(Apr.-Mar.)	7	1.5
	30	1.9
Winter	1	3.5
(Nov.-Apr.)	7	4.1
	30	5.6

RANCOCAS BASIN

01465880 Southwest Branch Rancocas Creek at Medford, NJ

Location: Latitude 39° 53' 43", Longitude 74° 49' 25", Burlington County, Hydrologic Unit 02040202, at bridge on Argonne Highway (County Route 541), 0.6 mi south of intersection of Argonne Highway and State Highway 70 at Medford, and 5.3 mi upstream from the mouth.

Drainage area: 47.2 mi²

Station type: Low-flow partial-record station

Period of record: 1961-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, 01465850, 01467000, and 01467081. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1961-2002	87	41

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1961-2002		
Annual	1	7.4
(Apr.-Mar.)	7	9.3
	30	13
Winter	1	15
(Nov.-Apr.)	7	18
	30	28

RANCOCAS BASIN

01465884 Sharps Run at Route 541 at Medford, NJ

Location: Latitude 39° 54' 18", Longitude 74° 49' 29", Burlington County, Hydrologic Unit 02040202, at bridge on Route 541 (Argonne Highway0 in Medford, 0.7 mi upstream from mouth, 1.2 mi northeast of Oliphants Mills, and 2.6 mi northwest of Medford Lakes.

Drainage area: 4.41 mi²

Station type: Low-flow partial-record station

Period of record: 1981-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, and 01467000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1981-1990	3.2	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1981-1990		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.2
Winter	1	0.3
(Nov.-Apr.)	7	0.3
	30	0.5

RANCOCAS BASIN

01465898 Little Creek near Lumberton, NJ

Location: Latitude 39° 56' 16", Longitude 74° 47' 37", Burlington County, Hydrologic Unit 02040202, at bridge on Eayrestown Road, 0.6 mi upstream from mouth, 1.9 mi southeast of Lumberton, and 3.0 mi northeast of Medford.

Drainage area: 19.2 mi²

Station type: Low-flow partial-record station

Period of record: 1982-1990

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01411500, 01464500, 01467000, 01467081, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1982-1990	27	9.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1982-1990		
Annual	1	0.5
(Apr.-Mar.)	7	0.7
	30	1.2
Winter	1	1.8
(Nov.-Apr.)	7	2.3
	30	4.2

RANCOCAS BASIN

01465900 Southwest Branch Rancocas at Eayerstown, NJ

Location: Latitude 39° 56' 49", Longitude 74° 47' 57", Burlington County, Hydrologic Unit 02040202, at bridge on Bridge Road (County Route 612) 0.3 mi above mouth, and 0.5 mi west of Eayrestown.

Drainage area: 76 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, 01465850, and 01467000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	84	58

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	17
(Apr.-Mar.)	7	20
	30	24
Winter	1	30
(Nov.-Apr.)	7	34
	30	40

RANCOCAS BASIN

01465965 Ong Run at Browns Mills, NJ

Location: Latitude 39° 58' 35", Longitude 74° 34' 36", Burlington County, Hydrologic Unit 02040202, 200 ft upstream of Mirror Lake, 0.7 mi north of Browns Mills, and 1.5 mi downstream of bridge on County Route 545.

Drainage area: 1.87 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01464500, 01466500, and 01467000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	2.2	1.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.7
(Apr.-Mar.)	7	0.7
	30	0.8
Winter	1	1.0
(Nov.-Apr.)	7	1.1
	30	1.2

RANCOCAS BASIN

01466000 Middle Branch Mount Misery Brook In Lebanon State Forest, NJ

Location: Latitude 39° 55' 00", Longitude 74° 30' 29", Burlington County, Hydrologic Unit 02040202, on right bank in Lebanon State Forest, 20 ft upstream from North Branch Road Bridge, 0.3 mi upstream from South Branch Mount Misery Brook, and 5.1 mi southeast of Browns Mills.

Drainage area: 2.82 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1960-2002

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-2002	2.0	0.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.0
(Nov.-Apr.)	7	0.0
	30	0.1

RANCOCAS BASIN

01466500 Mcdonalds Branch in Lebanon State Forest, NJ

Location: Latitude 39° 53' 06", Longitude 74° 30' 19", Burlington County, Hydrologic Unit 02040202, on right bank, 25 ft upstream from culvert on Butterworth Road in Lebanon State Forest, 3.4 mi upstream from confluence with Cooper Branch, and 7.0 mi southeast of Browns Mills.

Drainage area: 2.35 mi²

Station type: Continuous-record gaging station

Period of record: 1954-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1954-2001	2.2	0.5	20	1.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1955-2001		**2**	**5**	**10**	**20**
Annual	1	1.1	0.9	0.8	0.7
(Apr.-Mar.)	7	1.1	0.9	0.8	0.8
	30	1.2	1.0	0.9	0.8
Winter	1	1.2	1.0	0.9	0.9
(Nov.-Apr.)	7	1.3	1.0	1.0	0.9
	30	1.4	1.1	1.0	0.9

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1954-2001		**2**	**5**	**10**	**25**
Annual	1	7.7	12	15	18
(Oct.-Sept.)	7	4.7	6.7	8.0	9.7
	30	3.5	4.8	5.5	6.4
Winter	1	6.2	9.8	12	15
(Nov.-Apr.)	7	4.2	5.9	6.9	8.1
	30	3.2	4.5	5.2	6.1

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1954-2001																	
Annual	7.3	5.9	4.7	3.8	2.9	2.7	2.5	2.2	1.9	1.7	1.5	1.4	1.3	1.1	1.0	0.5	0.2
Winter	7.0	5.9	4.8	3.9	3.1	2.8	2.7	2.4	2.1	1.8	1.6	1.5	1.4	1.2	1.0	1.0	0.9

RANCOCAS BASIN

01466900 Greenwood Brook at New Lisbon, NJ

Location: Latitude 39° 57' 22", Longitude 74° 37' 40", Burlington County, Hydrologic Unit 02040202, on right bank, 50 ft upstream of bridge on Fourmile Road (County Route 646), 0.1 mi south of in New Lisbon, 0.7 mi upstream from mouth, and 3.1 mi east of Pemberton.

Drainage area: 77.9 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1954-2003

Remarks: This site has a continuous data record for the period 1998-2003.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1954-2003	101	69

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1954-2003		
Annual	1	18
(Apr.-Mar.)	7	21
	30	26
Winter	1	31
(Nov.-Apr.)	7	36
	30	44

RANCOCAS BASIN

01467000 North Branch Rancocas Creek at Pemberton, NJ

Location: Latitude 39° 58' 12", Longitude 74° 41' 04", Burlington County, Hydrologic Unit 02040202, on right bank at downstream side of bridge on Hanover Street (County Route 616) in Pemberton, 12 mi upstream from confluence wi South Branch Rancocas Creek.

Drainage area: 118 mi²

Station type: Continuous-record gaging station

Period of record: 1922-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1922-2001	170	9.0	1,690	116

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1923-2001		**2**	**5**	**10**	**20**
Annual	1	47	33	26	21
(Apr.-Mar.)	7	52	40	35	31
	30	64	49	42	38
Winter	1	77	56	46	39
(Nov.-Apr.)	7	89	67	56	49
	30	115	84	70	59

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1922-2001		**2**	**5**	**10**	**25**
Annual	1	698	1,010	1,230	1,510
(Oct.-Sept.)	7	499	670	777	906
	30	323	410	460	517
Winter	1	553	761	898	1,070
(Nov.-Apr.)	7	425	561	644	741
	30	297	386	441	507

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1922-2001																	
Annual	621	551	408	319	244	213	197	168	142	120	99	90	81	62	52	41	37
Winter	630	550	432	350	273	249	229	200	176	156	136	126	115	92	76	61	50

RANCOCAS BASIN

0146700260 Indian Run at Birmingham, NJ

Location: Latitude 39° 58' 50", Longitude 74° 42' 41", Burlington County, Hydrologic Unit 02040202, at bridge on Birmingham Road, 0.2 mi upstream of mouth, and 0.4 mi north of Birmingham.

Drainage area: 5.89 mi²

Station type: Low-flow partial-record station

Period of record: 2001-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, and 01467000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2001-2003	7.2	4.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2001-2003		
Annual	1	1.1
(Apr.-Mar.)	7	1.3
	30	1.5
Winter	1	2.2
(Nov.-Apr.)	7	2.5
	30	3.1

RANCOCAS BASIN

01467005 North Branch Rancocas Creek at Iron Works Park, at Mount Holly, NJ

Location: Latitude 39° 59' 31", Longitude 74° 46' 57", Burlington County, Hydrologic Unit 02040202, at Iron Works Park footbridge, 0.3 mi north of Saint Andrews Cemetery in Mount Holly, and 0.1 mi downstream from Mill Dam.

Drainage area: 140 mi²

Station type: Low-flow partial-record station

Period of record: 1970-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, and 01467000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1970-2003	217	140

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1970-2003		
Annual	1	32
(Apr.-Mar.)	7	38
	30	47
Winter	1	61
(Nov.-Apr.)	7	71
	30	88

RANCOCAS BASIN

01467010 Parkers Creek near Mount Laurel, NJ

Location: Latitude 39° 57' 05", Longitude 74° 53' 45", Burlington County, Hydrologic Unit 02040202, at bridge on light-duty road, 1.2 mi north of Mount Laurel, and 3.0 mi southeast of Moorestown.

Drainage area: 2.68 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, and 01475000. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	2.3	0.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.1
	30	0.2

RANCOCAS BASIN

01467019 Mill Creek near Willingboro, NJ

Location: Latitude 40° 01' 53", Longitude 74° 51' 13", Burlington County, Hydrologic Unit 02040202, on left upstream wing wall of bridge on Springdale Avenue, 2.2 mi upstream from South Branch Mill Creek, 0.2 mi east of Willingboro, a 4.6 mi upstream from mouth.

Drainage area: 4.12 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1975-1978

Remarks: This site has a continuous data record for the period 1975-1978.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1978	3.6	1.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1978		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.4
Winter	1	0.7
(Nov.-Apr.)	7	0.8
	30	1.1

RANCOCAS BASIN

01467020 Mill Creek at Willingboro, NJ

Location: Latitude 40° 01' 58", Longitude 74° 52' 45", Burlington County, Hydrologic Unit 02040202, at bridge on Kennedy Parkway at Willingboro, 0.7 mi (1.1 km) upstream from South Branch Mill Creek, and 3.1 mi (5.0 km) southeast of Beverly.

Drainage area: 7.77 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, 01467000, and 01475000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	4.6	2.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.1
(Apr.-Mar.)	7	0.2
	30	0.2
Winter	1	0.5
(Nov.-Apr.)	7	0.6
	30	0.9

RANCOCAS BASIN

01467021 Mill Creek at Levitt Parkway at Willingboro, NJ

Location: Latitude 40° 02' 09", Longitude 74° 53' 37", Burlington County, Hydrologic Unit 02040202, on left bank 100 ft upstream from bridge on Levitt Parkway in Willingboro, 1,000 ft downstream from South Branch Mill Creek, and 2.25 mi upstream from mouth.

Drainage area: 9.12 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1975-1977

Remarks: This site has a continuous data record for the period 1975-1977.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1975-1977	7.1	4.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1975-1977		
Annual	1	0.9
(Apr.-Mar.)	7	1.1
	30	1.3
Winter	1	1.9
(Nov.-Apr.)	7	2.2
	30	2.8

LOWER DELAWARE BASIN

01467057 Pompeston Creek at Cinnaminson, NJ

Location: Latitude 40° 00' 11", Longitude 74° 58' 59", Burlington County, Hydrologic Unit 02040202, at U.S. Route 130 bridge, 0.7 mi northwest of Cinnaminson, 1.7 mi upstream from mouth, and 2.1 mi east of Palmyra.

Drainage area: 5.77 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, 01467081, 01475000, and 01477120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	4.0	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.0
Winter	1	0.1
(Nov.-Apr.)	7	0.2
	30	0.4

LOWER DELAWARE BASIN

01467070 North Branch Pennsauken Creek at Maple Shade, NJ

Location: Latitude 39° 57' 11", Longitude 74° 58' 31", Burlington County, Hydrologic Unit 02040202, at bridge on Lenola Road, 0.4 mi downstream from Stawbridge Lake dam, 1.0 mi east of Maple Shade.

Drainage area: 13 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01475000. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	10	6.5

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	1.2
(Apr.-Mar.)	7	1.4
	30	1.7
Winter	1	2.8
(Nov.-Apr.)	7	3.1
	30	3.9

LOWER DELAWARE BASIN

01467080 South Branch Pennsauken Creek at Maple Shade, NJ

Location: Latitude 39° 56' 25", Longitude 74° 58' 54", Camden County, Hydrologic Unit 02040202, at bridge on State Route 4 1.3 mi southeast of Maple Shade and 5.2 mi upstream from confluence with North Branch Pennsauken Creek.

Drainage area: 8.1 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1967

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01475000. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1967	8.0	6.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1967		
Annual	1	2.1
(Apr.-Mar.)	7	2.3
	30	2.7
Winter	1	3.5
(Nov.-Apr.)	7	3.8
	30	4.3

LOWER DELAWARE BASIN

01467081 South Branch Pennsauken Creek at Cherry Hill, NJ

Location: Latitude 39° 56' 30", Longitude 75° 00' 04", Camden County, Hydrologic Unit 02040202, on left bank on downstream wing wall of bridge on Mill Road in Cherry Hill, 1.1 mi south of Maple Shade and 3.8 mi upstream fro confluence with the North Branch Pennsauken Creek.

Drainage area: 8.98 mi²

Station type: Continuous-record gaging station

Period of record: 1968-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1968-2001	18	2.2	551	8.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1969-2001		**2**	**5**	**10**	**20**
Annual	1	3.9	3.0	2.5	2.2
(Apr.-Mar.)	7	4.4	3.4	3.0	2.8
	30	6.0	4.7	4.1	3.6
Winter	1	5.2	3.9	3.3	2.9
(Nov.-Apr.)	7	6.2	4.6	3.9	3.4
	30	9.9	7.9	7.1	6.5

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1968-2001		**2**	**5**	**10**	**25**
Annual	1	321	423	480	545
(Oct.-Sept.)	7	88	111	123	137
	30	41	51	57	64
Winter	1	246	348	409	477
(Nov.-Apr.)	7	67	89	103	119
	30	37	48	54	61

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1968-2001																	
Annual	176	124	67	37	20	16	15	12	9.9	8.3	7.1	6.6	6.0	4.8	4.3	3.4	3.1
Winter	183	125	75	42	23	19	17	14	12	11	9.1	8.5	7.9	6.5	5.6	4.6	4.2

LOWER DELAWARE BASIN

01467130 Cooper River at Kirkwood, NJ

Location: Latitude 39° 50' 11", Longitude 75° 00' 05", Camden County, Hydrologic Unit 02040202, at outlet of Kirkwood Lak in Kirkwood 100 ft east of tracks of Pennsylvania-Reading Seashore Lines, and 1.0 mi north of Laurel Springs.

Drainage area: 5.1 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01464500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1997	8.8	3.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1997		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	1.0
(Nov.-Apr.)	7	1.2
	30	1.8

LOWER DELAWARE BASIN

01467140 Cooper River at Lawnside, NJ

Location: Latitude 39° 52' 14", Longitude 75° 00' 58", Camden County, Hydrologic Unit 02040202, on right bank at Melrose Avenue at Lawnside, 300 ft downstream from former Lawnside sewage treatment plant, and 2.0 mi upstream from New Jersey Turnpike.

Drainage area: 12.7 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, and 01464500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	13	9.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	2.9
(Apr.-Mar.)	7	3.2
	30	3.7
Winter	1	5.1
(Nov.-Apr.)	7	5.5
	30	6.5

LOWER DELAWARE BASIN

01467150 Cooper River at Haddonfield, NJ

Location: Latitude 39° 54' 11", Longitude 75° 01' 17", Camden County, Hydrologic Unit 02040202, on right bank of Wallworth Lake in Pennypacker Park, 200 ft upstream from bridge on State Highway 41 (Kings Highway) in Haddonfield, 0.6 mi upstream from North Branch Cooper River, and 7.7 mi upstream from mouth.

Drainage area: 17 mi²

Station type: Continuous-record gaging station

Period of record: 1964-2001

Remarks: Regulation since 1987 reduces flood peaks and augments low flow.

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1964-1987	36	1.2	1,510	23
1988-2001	28	3.0	792	15

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1965-1987		**2**	**5**	**10**	**20**
Annual	1	12	7.6	4.9	2.0
(Apr.-Mar.)	7	14	11	8.5	6.5
	30	17	13	10	8.0
Winter	1	17	13	10	8.3
(Nov.-Apr.)	7	20	16	14	12
	30	24	19	17	15
1989-2001		**2**	**5**	**10**	**20**
Annual	1	6.5	7.6	4.3	3.5
(Apr.-Mar.)	7	7.5	5.9	4.7	4.0
	30	9.2	7.3	6.5	6.0
Winter	1	9.3	7.6	6.8	6.1
(Nov.-Apr.)	7	11	8.9	7.7	6.7
	30	17	12	11	9.2

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1964-1987		**2**	**5**	**10**	**25**
Annual	1	412	635	815	1,080
(Oct.-Sept.)	7	136	185	214	249
	30	68	90	103	119
Winter	1	336	501	610	747
(Nov.-Apr.)	7	111	152	176	204
	30	62	83	96	111
1988-2001		**2**	**5**	**10**	**25**
Annual	1	450	635	744	886
(Oct.-Sept.)	7	133	154	175	186
	30	58	70	82	93
Winter	1	342	510	633	801
(Nov.-Apr.)	7	91	123	145	176
	30	52	69	80	93

01467150 Cooper River at Haddonfield, NJ--Continued

Duration of daily flow																	
Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1964-1987																	
Annual	253	179	102	60	39	36	33	28	25	23	21	19	18	15	13	10	8.8
Winter	276	193	110	70	44	39	36	31	28	26	24	22	22	19	17	14	11
1988-2001																	
Annual	238	168	97	56	32	27	24	20	17	14	12	11	10	8.1	6.9	5.6	4.8
Winter	220	173	103	62	36	31	28	24	21	18	16	15	14	12	10	8.0	6.8

LOWER DELAWARE BASIN

01467160 North Branch Cooper River near Marlton, NJ

Location: Latitude 39° 53' 20", Longitude 74° 58' 07", Camden County, Hydrologic Unit 02040202, at bridge on Springdale Road, 2.5 mi west of Marlton, and 5.7 mi southwest of Moorestown.

Drainage area: 5.34 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1998

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, 01467081, 01475000, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1998	11	5.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1998		
Annual	1	1.3
(Apr.-Mar.)	7	1.5
	30	1.9
Winter	1	2.7
(Nov.-Apr.)	7	3.1
	30	4.0

LOWER DELAWARE BASIN

01467180 North Branch Cooper River at Ellisburg, NJ

Location: Latitude 39° 54' 27", Longitude 75° 00' 41", Camden County, Hydrologic Unit 02040202, on Brace Road 0.4 mi south of Ellisburg, and 0.9 mi upstream from confluence with Cooper River.

Drainage area: 10.5 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01411500, 01464500, 01467000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1997	11	7.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1997		
Annual	1	2.4
(Apr.-Mar.)	7	2.7
	30	3.2
Winter	1	4.2
(Nov.-Apr.)	7	4.6
	30	5.5

LOWER DELAWARE BASIN

01467305 Newton Creek at Collingswood, NJ

Location: Latitude 39° 54' 30", Longitude 75° 03' 12", Camden County, Hydrologic Unit 02040202, at bridge on Park Avenue in Collingswood, 0.3 mi east of Cuthbert Avenue.

Drainage area: 1.33 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01464500, 01467081, 01475000, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2002	1.3	0.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2002		
Annual	1	0.3
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.5
(Nov.-Apr.)	7	0.5
	30	0.6

LOWER DELAWARE BASIN

01467312 Newton Creek at West Collingswood, NJ

Location: Latitude 39° 54' 05", Longitude 75° 05' 41", Camden County, Hydrologic Unit 02040202, at bridge on State Route 168 at West Collingswood, 2.9 northwest of Haddonfield and 1.7 mi southwest of Collingswood.

Drainage area: 4.51 mi²

Station type: Low-flow partial-record station

Period of record: 1964-1972

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409400, 01411000, 01464500, 01475000, and 01477120. The correlations are considered poor.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-1972	21	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-1972		
Annual	1	2.4
(Apr.-Mar.)	7	2.8
	30	3.5
Winter	1	5.8
(Nov.-Apr.)	7	6.6
	30	8.2

LOWER DELAWARE BASIN

01467315 South Branch Newton Creek at Glover Av at Haddon Heights, NJ

Location: Latitude 39° 52' 47", Longitude 75° 04' 07", Camden County, Hydrologic Unit 02040202, at bridge on Glover Avenue, in Haddon Heights, 2.4 mi southwest of Haddonfield, and 2.6 mi south of Collingswood.

Drainage area: 0.52 mi²

Station type: Low-flow partial-record station

Period of record: 1968-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1968-1974	0.4	0.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1968-1974		
Annual	1	0.1
(Apr.-Mar.)	7	0.1
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.2
	30	0.2

LOWER DELAWARE BASIN

01467317 South Branch Newton Creek at Haddon Heights, NJ

Location: Latitude 39° 52' 45", Longitude 75° 04' 25", Camden County, Hydrologic Unit 02040202, at bridge on 13th Avenue in Haddon Heights, and 2.6 mi south of Collingswood.

Drainage area: 0.63 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2003

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, 01467000, 01475000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2003	2.1	2.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2003		
Annual	1	1.3
(Apr.-Mar.)	7	1.4
	30	1.5
Winter	1	1.6
(Nov.-Apr.)	7	1.7
	30	1.7

LOWER DELAWARE BASIN

01467329 South Branch Big Timber Creek at Blackwood Terrace, NJ

Location: Latitude 39° 48' 05", Longitude 75° 04' 26", Gloucester County, Hydrologic Unit 02040202, at bridge on Blackwood Clementon Road at Blackwood Terrace, 1,000 ft upstream from Bull Run, and 2.0 mi northeast of Fairview.

Drainage area: 19.1 mi²

Station type: Low-flow partial-record station

Period of record: 1988-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411500, 01467081, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1988-1997	93	40

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1988-1997		
Annual	1	9.6
(Apr.-Mar.)	7	11
	30	16
Winter	1	14
(Nov.-Apr.)	7	16
	30	30

LOWER DELAWARE BASIN

01467330 South Branch Big Timber Creek at Blackwood, NJ

Location: Latitude 39° 48' 17", Longitude 75° 04' 32", Camden County, Hydrologic Unit 02040202, at bridge on Lower Landing Road at Blackwood, 3.1 mi southwest of Lindenwold and 3.0 mi from mouth.

Drainage area: 19.6 mi²

Station type: Low-flow partial-record station

Period of record: 1964-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1964-2001	36	29

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1964-2001		
Annual	1	12
(Apr.-Mar.)	7	13
	30	14
Winter	1	19
(Nov.-Apr.)	7	20
	30	23

LOWER DELAWARE BASIN

01467350 North Branch Big Timber Creek at Laurel Springs, NJ

Location: Latitude 39° 48' 55", Longitude 75° 00' 03", Camden County, Hydrologic Unit 02040202, at bridge on Park Avenue at Laurel Springs, 5.6 mi upstream from mouth.

Drainage area: 6.55 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	14	11

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	4.8
(Apr.-Mar.)	7	5.1
	30	5.8
Winter	1	7.6
(Nov.-Apr.)	7	8.0
	30	8.9

LOWER DELAWARE BASIN

01474500 Schuylkill River at Philadelphia, PA

Location: Latitude 39° 58' 04", Longitude 751° 11' 9", Philadelphia County (PA), Hydrologic Unit 02040203, on right bank 15 ft upstream from Fairmount Dam, 1,500 ft upstream from Spring Garden Street Bridge, in Philadelphia, and 8.7 mi upstream from mouth.

Drainage area: 1,893 mi²

Station type: Continuous-record gaging station

Period of record: 1932-1991

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1932-1991	2,690	0.6	93,400	777

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1933-1991		**2**	**5**	**10**	**20**
Annual	1	310	109	45	18
(Apr.-Mar.)	7	322	150	91	58
	30	452	235	157	109
Winter	1	494	262	180	129
(Nov.-Apr.)	7	642	357	251	183
	30	1,120	608	428	315

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1932-1991		**2**	**5**	**10**	**25**
Annual	1	27,500	41,000	51,100	65,300
(Oct.-Sept.)	7	13,300	17,900	21,000	25,200
	30	7,200	9,200	10,400	11,800
Winter	1	21,900	32,200	40,000	50,800
(Nov.-Apr.)	7	11,200	15,300	17,900	21,200
	30	6,480	8,610	9,960	11,600

01474500 Schuylkill River at Philadelphia, PA--Continued

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim								
	1	2	5	10	20	25	30	40	50
1932-1991									
Annual	17,800	13,100	8,700	6,060	3,900	3,340	2,870	2,190	1,670
Winter	19,300	14,900	10,200	7,300	5,050	4,390	3,870	3,070	2,470

Duration of daily flow -- Continued

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of tim							
	60	70	75	80	90	95	98	99
1932-1991								
Annual	1,260	952	809	677	398	258	149	99
Winter	2,010	1,580	1,370	1,160	738	475	302	232

LOWER DELAWARE BASIN

01474950 Mantua Creek at Glassboro, NJ

Location: Latitude 39° 42' 52", Longitude 75° 05' 31", Gloucester County, Hydrologic Unit 02040202, at bridge on Fish Pond Road at outlet of Lake Obserst, 1.0 mi northeast of intersection of U.S. Route 322 and State Route 47 in Glassboro, and 1.9 mi upstream from Duffield Run.

Drainage area: 1.2 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1977	2.0	1.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1977		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.3
Winter	1	0.6
(Nov.-Apr.)	7	0.6
	30	0.8

LOWER DELAWARE BASIN

01474970 Mantua Creek at Greentree Road, at Glassboro, NJ

Location: Latitude 39° 43' 31", Longitude 75° 06' 05", Gloucester County, Hydrologic Unit 02040202, at bridge on Greentree Road, 1.1 mi upstream from Kressey Lake Dam, and 1.3 mi northeast of intersection of US Route 322 and State Rou 47 in Glassboro.

Drainage area: 2.59 mi²

Station type: Low-flow partial-record station

Period of record: 1965-1977

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1965-1977	6.4	4.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1965-1977		
Annual	1	1.5
(Apr.-Mar.)	7	1.6
	30	1.9
Winter	1	2.7
(Nov.-Apr.)	7	2.9
	30	3.4

LOWER DELAWARE BASIN

01475000 Mantua Creek at Pitman, NJ

Location: Latitude 39° 44' 13", Longitude 75° 06' 48", Gloucester County, Hydrologic Unit 02040202, on left abutment of Wadsworth Dam, 0.9 mi east of Pitman, and 2.0 mi upstream from Porch Branch.

Drainage area: 6.05 mi²

Station type: Continuous-record gaging station

Period of record: 1940-1977

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-1977	12	2.6	470	9.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-1977		**2**	**5**	**10**	**20**
Annual	1	5.6	4.2	3.6	3.2
(Apr.-Mar.)	7	6.2	4.8	4.1	3.6
	30	7.0	5.5	4.7	4.2
Winter	1	7.7	6.8	6.4	6.1
(Nov.-Apr.)	7	8.4	7.4	6.9	6.6
	30	9.4	8.1	7.6	7.1

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-1977		**2**	**5**	**10**	**25**
Annual	1	58	101	144	222
(Oct.-Sept.)	7	25	36	46	62
	30	17	22	25	30
Winter	1	44	63	76	96
(Nov.-Apr.)	7	22	27	31	36
	30	16	19	20	22

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1940-1977																	
Annual	39	31	23	17	15	14	13	12	11	9.7	8.8	8.3	7.7	6.6	6.0	4.8	4.3
Winter	35	29	22	18	15	14	14	12	12	10	9.7	9.4	9.1	8.2	7.7	7.1	6.4

LOWER DELAWARE BASIN

01475020 Mantua Creek at Sewell, NJ

Location: Latitude 39° 46' 22", Longitude 75° 08' 09", Gloucester County, Hydrologic Unit 02040202, at bridge on Wenonah-Pitman Road, 0.5 mi below Bees Branch, and 0.6 mi east of Sewell.

Drainage area: 14.5 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2001	22	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2001		
Annual	1	4.9
(Apr.-Mar.)	7	5.4
	30	6.3
Winter	1	9.3
(Nov.-Apr.)	7	10
	30	12

LOWER DELAWARE BASIN

01476600 Still Run near Mickleton, NJ

Location: Latitude 39° 47' 19", Longitude 75° 15' 26", Gloucester County, Hydrologic Unit 02040202, on left bank at downstream side of County Highway Bridge, 1.0 mi west of Nickleton, and 3.4 mi upstream from confluence with Pargey Creek.

Drainage area: 3.98 mi²

Station type: Gaging station analyzed as a partial-record station

Period of record: 1960-1966

Remarks: This site has a continuous data record for the period 1957-1966.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1960-1966	5.7	3.7

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1960-1966		
Annual	1	0.7
(Apr.-Mar.)	7	1.0
	30	1.3
Winter	1	1.7
(Nov.-Apr.)	7	2.2
	30	2.8

LOWER DELAWARE BASIN

01476640 Pargey Creek at Swedesboro Avenue at Repaupo, NJ

Location: Latitude 39° 47' 34", Longitude 75° 17' 12", Gloucester County, Hydrologic Unit 02040202, 0.8 mi southeast of Repaupo, 1.5 mi upstream of bridge on U.S. Route 130/Interstate Route 295, and 6.0 mi upstream of Delaware Rive

Drainage area: 4.44 mi²

Station type: Low-flow partial-record station

Period of record: 2000-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000 and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
2000-2002	19	5.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
2000-2002		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	1.1
(Nov.-Apr.)	7	1.4
	30	2.3

LOWER DELAWARE BASIN

01477100 Raccoon Creek near Mullica Hill, NJ

Location: Latitude 39° 42' 31", Longitude 75° 12' 04", Gloucester County, Hydrologic Unit 02040202, at highway bridge on Cedar Grove-Richwood Road, 0.6 mi upstream from Miery Run, 1.0 mi downstream from outlet of Ewan Lake, 2.5 r southeast of Mullica Hill, and 4.0 mi southwest of Pitman.

Drainage area: 10.1 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01475000, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2002	20	9.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2002		
Annual	1	0.7
(Apr.-Mar.)	7	1.1
	30	1.6
Winter	1	2.8
(Nov.-Apr.)	7	4.4
	30	6.4

LOWER DELAWARE BASIN

01477110 Raccoon Creek at Mullica Hill, NJ

Location: Latitude 39° 44' 10", Longitude 75° 13' 29", Gloucester County, Hydrologic Unit 02040202, at bridge on State Routes 45 and 77 in Mullica Hill, 1,200 ft downstream of Mullica Hill Pond, and 5.5 mi west of Pitman.

Drainage area: 15.6 mi²

Station type: Low-flow partial-record station

Period of record: 1977-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01477120, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-2002	19	12

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-2002		
Annual	1	2.9
(Apr.-Mar.)	7	3.2
	30	3.8
Winter	1	6.0
(Nov.-Apr.)	7	6.8
	30	8.4

LOWER DELAWARE BASIN

01477118 South Branch Raccoon Creek near Mullica Hill, NJ

Location: Latitude 39° 44' 09", Longitude 75° 15' 22", Gloucester County, Hydrologic Unit 02040202, at bridge on Hill Street, 0.2 mi upstream from mouth and 1.7 mi west of Mullica Hill.

Drainage area: 8.3 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01477120, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2002	8.2	4.8

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2002		
Annual	1	1.0
(Apr.-Mar.)	7	1.2
	30	1.4
Winter	1	2.3
(Nov.-Apr.)	7	2.7
	30	3.5

LOWER DELAWARE BASIN

01477120 Raccoon Creek near Swedesboro, NJ

Location: Latitude 39° 44' 26", Longitude 75° 15' 33", Gloucester County, Hydrologic Unit 02040202, on right bank 25 ft downstream from bridge on County Route 607 (Tomlin Station Road), 1.8 mi west of Mullica Hill, and 2.8 mi east c Swedesboro.

Drainage area: 26.9 mi²

Station type: Continuous-record gaging station

Period of record: 1966-2001

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1966-2001	39	2.9	1,260	25

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1967-2001		**2**	**5**	**10**	**20**
Annual	1	12	8.2	6.7	5.5
(Apr.-Mar.)	7	13	9.1	7.4	6.1
	30	15	11	8.8	7.5
Winter	1	18	15	14	13
(Nov.-Apr.)	7	20	17	15	14
	30	25	20	18	17

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1966-2001		**2**	**5**	**10**	**25**
Annual	1	444	697	882	1,130
(Oct.-Sept.)	7	155	221	262	312
	30	85	115	133	154
Winter	1	358	572	700	842
(Nov.-Apr.)	7	130	190	226	268
	30	77	107	125	146

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1966-2001																	
Annual	262	173	97	68	48	45	41	34	29	25	21	19	18	14	12	9.7	8.0
Winter	276	192	112	78	56	50	46	41	36	32	28	26	25	21	19	17	16

LOWER DELAWARE BASIN

01477130 Basgalore Creek at Russell Mill Road, near Swedesboro, NJ

Location: Latitude 39° 44' 15", Longitude 75° 16' 59", Gloucester County, Hydrologic Unit 02040202, at bridge on Russell Mi Road, 0.8 mi above mouth, and 1.7 mi east-southeast of Swedesboro.

Drainage area: 3.3 mi²

Station type: Low-flow partial-record station

Period of record: 1957-2002

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, 01467000, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1957-2002	6.3	4.2

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1957-2002		
Annual	1	1.0
(Apr.-Mar.)	7	1.3
	30	1.5
Winter	1	1.9
(Nov.-Apr.)	7	2.1
	30	2.6

LOWER DELAWARE BASIN

01477510 Oldmans Creek at Porches Mill, NJ

Location: Latitude 39° 41' 57", Longitude 75° 20' 00", Salem County, Hydrologic Unit 02040206, at bridge on Kings Highway in Porches Mill, 150 ft downstream of tributary from outflow of lake at Porches Mill, 1.0 mi north of Seven Stars, ar 2.1 mi southeast of Auburn.

Drainage area: 21 mi²

Station type: Low-flow partial-record station

Period of record: 1979-1997

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01411500, and 01477120. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1979-1997	26	16

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1979-1997		
Annual	1	3.0
(Apr.-Mar.)	7	3.4
	30	4.2
Winter	1	6.8
(Nov.-Apr.)	7	7.7
	30	9.8

MAURICE, SALEM, AND COHANSEY BASIN

01482500 Salem River at Woodstown, NJ

Location: Latitude 39° 38' 36", Longitude 75° 19' 51", Salem County, Hydrologic Unit 02040206, at bridge on Mill Street in Woodstown, downstream from Memorial Lake Dam, and 2.0 mi southeast of Sharptown.

Drainage area: 14.6 mi²

Station type: Continuous-record gaging station

Period of record: 1940-1990

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1940-1990	20	0.0	4,460	6.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1941-1990		**2**	**5**	**10**	**20**
Annual	1	1.6	0.3	0.0	0.0
(Apr.-Mar.)	7	2.8	1.0	0.5	0.3
	30	4.9	2.7	1.0	0.4
Winter	1	6.3	2.3	1.2	0.2
(Nov.-Apr.)	7	7.7	5.3	3.8	2.9
	30	12	8.4	6.8	5.8

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1940-1990		**2**	**5**	**10**	**25**
Annual	1	308	503	643	830
(Oct.-Sept.)	7	89	126	150	179
	30	44	58	66	75
Winter	1	240	406	526	684
(Nov.-Apr.)	7	78	114	136	161
	30	41	56	65	74

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1940-1990																	
Annual	157	106	59	35	23	21	18	15	13	11	8.4	7.5	6.5	4.4	3.0	1.6	0.7
Winter	179	123	71	45	29	25	23	20	17	15	12	12	10	8.0	6.3	4.9	3.6

MAURICE, SALEM, AND COHANSEY BASIN

01482510 Nichomus Run near Woodstown, NJ

Location: Latitude 39° 38' 22", Longitude 75° 20' 58", Salem County, Hydrologic Unit 02040206, at bridge on State Route 45, 1.4 mi southwest of Woodstown, and 1.7 mi above mouth.

Drainage area: 3.76 mi²

Station type: Low-flow partial-record station

Period of record: 1966-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411000, 01477120, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-2001	3.1	0.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-2001		
Annual	1	0.0
(Apr.-Mar.)	7	0.0
	30	0.1
Winter	1	0.2
(Nov.-Apr.)	7	0.3
	30	0.7

MAURICE, SALEM, AND COHANSEY BASIN

01482520 Salem River at Sharptown, NJ

Location: Latitude 39° 39' 09", Longitude 75° 22' 04", Salem County, Hydrologic Unit 02040206, at bridge on Pointers-Sharptown Road, 0.4 mi southwest of Sharptown, and 0.7 mi above Major Run.

Drainage area: 27.3 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411500, 01477120, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1974	22	13

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1974		
Annual	1	2.9
(Apr.-Mar.)	7	3.6
	30	4.5
Winter	1	6.2
(Nov.-Apr.)	7	7.8
	30	9.8

MAURICE, SALEM, AND COHANSEY BASIN

01482530 Major Run at Sharptown, NJ

Location: Latitude 39° 38' 56", Longitude 75° 22' 28", Salem County, Hydrologic Unit 02040206, at bridge on Sharptown-Pointers Road 0.7 mi southwest of Sharptown, and 0.4 mi above mouth.

Drainage area: 3.04 mi²

Station type: Low-flow partial-record station

Period of record: 1966-1974

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411500, 01477120, and 01482500. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1966-1974	1.9	1.0

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1966-1974		
Annual	1	0.2
(Apr.-Mar.)	7	0.2
	30	0.3
Winter	1	0.4
(Nov.-Apr.)	7	0.5
	30	0.7

MAURICE, SALEM, AND COHANSEY BASIN

01482900 Cool Run near Alloway, NJ

Location: Latitude 39° 34' 43", Longitude 75° 18' 35", Salem County, Hydrologic Unit 02040206, at highway bridge on Stockton-Pleasant Hill Road, 0.5 mi above mouth, 3.0 mi northeast of Alloway, and 3.3 mi southwest of Daretown.

Drainage area: 4.92 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, 01467000, 01475000, 01477120, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2001	7.2	4.9

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2001		
Annual	1	1.3
(Apr.-Mar.)	7	1.7
	30	2.0
Winter	1	2.5
(Nov.-Apr.)	7	3.0
	30	3.6

MAURICE, SALEM, AND COHANSEY BASIN

01482950 Cedar Brook near Alloway, NJ

Location: Latitude 39° 33' 31", Longitude 75° 20' 21", Salem County, Hydrologic Unit 02040206, at highway bridge on secondary road, 400 ft downstream from outlet of Sycamore Lake (at Remsterville), 1.3 mi east of Alloway, and 5.3 mi southwest of Daretown.

Drainage area: 3.76 mi²

Station type: Low-flow partial-record station

Period of record: 1959-2001

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01411500, 01477120, and 01482500. The correlations are considered fair.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1959-2001	8.3	3.3

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1959-2001		
Annual	1	0.2
(Apr.-Mar.)	7	0.3
	30	0.5
Winter	1	0.8
(Nov.-Apr.)	7	1.4
	30	2.2

MAURICE, SALEM, AND COHANSEY BASIN

01483000 Alloway Creek at Alloway, NJ

Location: Latitude 39° 33' 56", Longitude 75° 21' 38", Salem County, Hydrologic Unit 02040206, on right bank at Alloway Lake Dam at Alloway, 0.8 mi upstream from Deep Run.

Drainage area: 20.3 mi²

Station type: Continuous-record gaging station

Period of record: 1953-1973

Streamflow characteristics (cfs)

Period of record	Mean annual flow	Minimum daily flow	Maximum daily flow	Harmonic mean flow
1953-1973	24	0.0	1,040	8.6

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for indicated recurrence interval in years			
1954-1973		**2**	**5**	**10**	**20**
Annual	1	0.8	0.0	0.0	0.0
(Apr.-Mar.)	7	2.4	0.0	0.0	0.0
	30	4.3	2.3	0.6	0.0
Winter	1	6.6	0.0	0.0	0.0
(Nov.-Apr.)	7	10	4.4	0.0	0.0
	30	15	9.3	7.0	5.4

Magnitude and frequency of high flow for indicated periods

Period of record	Number of consecutive days	Annual maximum streamflow (cfs) for indicated recurrence interval in years			
1953-1973		**2**	**5**	**10**	**25**
Annual	1	314	525	688	918
(Oct.-Sept.)	7	115	158	183	211
	30	60	74	81	87
Winter	1	235	372	468	594
(Nov.-Apr.)	7	97	134	155	178
	30	54	70	78	88

Duration of daily flow

Period of record	Streamflow (cfs) that was exceeded for the indicated percentage of time																
	1	2	5	10	20	25	30	40	50	60	70	75	80	90	95	98	99
1953-1973																	
Annual	168	123	71	48	32	29	25	20	16	12	8.9	7.6	6.5	4.0	2.7	0.8	0.4
Winter	191	143	90	62	42	36	32	28	24	20	17	16	14	10	7.4	4.0	0.3

MAURICE, SALEM, AND COHANSEY BASIN

01483010 Deep Run near Alloway, NJ

Location: Latitude 39° 32' 34", Longitude 75° 21' 17", Salem County, Hydrologic Unit 02040206, at bridge on Telegraph Road 0.8 mi upstream from Elkinton Millpond, 1.3 mi south of Alloway, and 2.5 mi northwest of Pecks Corner.

Drainage area: 5.3 mi²

Station type: Low-flow partial-record station

Period of record: 1977-1984

Remarks: Low-flow frequency estimates are based on correlations with gaging stations 01409500, 01410000, 01411000, 01411500, 01467000, and 01477120. The correlations are considered good.

Estimated streamflow characteristics (cfs)

Period of record	Mean annual flow	Harmonic mean flow
1977-1984	6.9	5.1

Magnitude and frequency of low flow for indicated periods

Period of record	Number of consecutive days	Annual minimum streamflow (cfs) for a 10-year recurrence interval
1977-1984		
Annual	1	1.4
(Apr.-Mar.)	7	1.9
	30	2.2
Winter	1	2.6
(Nov.-Apr.)	7	2.9
	30	3.5