Prepared in cooperation with the Pennsylvania Department of Environmental Protection

Selected Streamflow Statistics for Streamgauge Locations in and near Pennsylvania

Open-File Report 2011–1070

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

Cover. Tunkhannock Creek and Highway 6 overpass downstream from U.S. Geological Survey streamgage 01534000 Tunkhannock Creek near Tunkhannock, PA. (Photo by Andrew Reif, USGS)

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By Marla H. Stuckey and Mark A. Roland

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U.S. Department of the Interior
KEN SALAZAR, Secretary

U.S. Geological Survey
Marcia K. McNutt, Director

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Contents

Abstract.....	1
Introduction.....	1
Purpose and Scope	1
Previous Investigations.....	1
Data Collection and Analysis	2
Comparison with Previously Reported Streamflow Statistics for Streamgage Locations in Pennsylvania	4
Summary.....	4
Acknowledgments	4
References Cited.....	5

Figures

1. Map showing location of U.S. Geological Survey streamgage locations with
 updated streamflow statistics3

Tables

1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania
 with updated streamflow statistics8
2. Selected low-flow statistics for streamgage locations in and near Pennsylvania20
3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.....34
4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania48
5. Selected mean-flow and flow-duration statistics for streamgage locations in
 and near Pennsylvania
6. Comparison of streamflow statistics for 72 streamgage locations in Pennsylvania
 to previously reported streamflow statistics88

Conversion Factors

Inch/Pound to SI		
Multiply	By	To obtain
Area		
square mile (mi ²)	259.0	hectare (ha)
square mile (mi ²)	2.590	square kilometer (km ²)
Flow rate		
foot per second (ft/s)	0.3048	meter per second (m/s)
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)
cubic foot per second per square mile [(ft ³ /s)/mi ²]	0.01093	cubic meter per second per square kilometer [(m ³ /s)/km ²]

Vertical coordinate information is referenced to the North American Vertical Datum of 1988 (NAVD 88).

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

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Abstract

Streamflow statistics are used routinely by watershed planners, regulators, engineers, and managers for water-resource projects. Streamflow statistics for a streamgage can change over time as more flow data become available and (or) land use or climate in the watershed changes; consequently, streamflow statistics should be updated periodically. This report, done in cooperation with the Pennsylvania Department of Environmental Protection, presents updated streamflow statistics for 526 U.S. Geological Survey (USGS) continuous-record streamgages in Pennsylvania, New York, New Jersey, Delaware, Maryland, West Virginia, and Ohio using data collected through 2008. The following statistics are presented: low flows (1-day, 10-year; 7-day, 10-year; 7-day, 2-year; 30-day, 10-year; 30-day, 2-year; and 90-day, 10-year low flows), base flows (10-year, 25-year, and 50-year base flows), peak flows (50-, 20-, 10-, 4-, 2-, 1-, and 0.2-percent annual exceedance flood), mean flows (mean annual flow and harmonic mean flow), and flow durations (99-, 95-, 90-, 85-, 80-, 70-, 60-, 50-, 40-, 30-, 20-, 15-, 10-, 5-, and 1-percent exceedance). Streamflow statistics (7-day, 10-year and 30-day, 10-year low flows; harmonic mean; and 95-, 50-, and 5-percent flow duration exceedances) for 72 streamgage locations in Pennsylvania were compared using a Wilcoxon signed-rank test to previously reported statistics. A statistically significant difference was found between the data sets for the 30-day, 10-year low-flow; harmonic mean; 50-percent flow-duration exceedance; and 5-percent flow-duration exceedance statistics. No significant difference was found between the data sets for the 7-day, 10-year low-flow and 95-percent flow-duration exceedance statistics. The lower flow statistics show a decrease since 1996, and the mid- to higher flows show an increase since 1996.

Introduction

Streamflow statistics are used routinely by watershed planners, regulators, engineers, and managers for water-resource projects. Low-flow statistics are used to determine water availability, water-use allocations, assimilative capacities, and aquatic-habitat needs. Flood-flow statistics are used

for Flood Insurance Studies (FIS), flood-plain management, and the design of bridges and flood-control structures. Streamflow statistics for a streamgage can change over time as more data become available or as land use or climate in the watershed changes, so streamflow statistics should be updated periodically.

Purpose and Scope

This report presents updated streamflow statistics for 526 U.S. Geological Survey (USGS) continuous-record streamgage locations in and near Pennsylvania using data collected through the 2008 water year¹. Streamgages from Pennsylvania (306), New York (65), New Jersey (28), Delaware (13), Maryland (68), West Virginia (21), and Ohio (25) were included in this analysis. The following statistics are presented: low flows (1-day, 10-year; 7-day, 10-year; 7-day, 2-year; 30-day, 10-year; 30-day, 2-year; and 90-day, 10-year low flows), base flows (10-year, 25-year, and 50-year base flows), peak flows (50-, 20-, 10-, 4-, 2-, 1-, and 0.2-percent annual exceedance flood), mean flows (mean annual flow and harmonic mean flow), and flow durations (99-, 95-, 90-, 85-, 80-, 70-, 60-, 50-, 40-, 30-, 20-, 15-, 10-, 5-, and 1-percent exceedance). This development of updated streamflow statistics was done in cooperation with the Pennsylvania Department of Environmental Protection (PaDEP). The selection of streamgage locations was determined by the need from PaDEP for updated streamflow information at reference sites to assist in permit application review. Streamflow statistics for streamgages in Pennsylvania will be displayed on the web-based application Pennsylvania StreamStats (Stuckey and Hoffman, 2010).

Previous Investigations

Streamflow statistics for USGS streamgage locations in Pennsylvania have been published in many USGS reports. Stuckey (2006) developed low-flow, base-flow, and mean-flow

¹ Water year is defined as a 12-month period beginning October 1 and ending September 30. The water year is designated by the calendar year in which it ends.

regression equations and reported statistics for 293 continuous-record and partial-record streamgages using data through the 2002 climatic year². Roland and Stuckey (2008) developed flood-flow regression equations and reported flood-flow statistics for 306 continuous-record and crest-stage streamgages using data through the 2005 or 2006 water year. Low-flow and flood-flow statistics for additional streamgages not included in the previously mentioned reports were published by Ehlke and Reed (1999). Flow durations were published by Page and Shaw (1977) for continuous-record and miscellaneous streamgages with sufficient data through the 1972 water year, and Wolock (2003) computed streamflow statistics, including flow durations, for the conterminous United States. Streamflow statistics for Pennsylvania streamgages also may be found in USGS reports published from surrounding states. Guidance on techniques regarding weighting and transference of flood-flow statistics is described by Stuckey and Reed (2000) and for low-flow statistics in documentation found at the USGS-PA Low-Flow Statistics web application (<http://paapps.er.usgs.gov/flowstats/>).

Similar reports have also been published by surrounding states and present streamflow statistics for gaged locations. Peak-flow statistics for streamgage locations in New York are presented by Lumia and others (2006) and also by Suro and others (2009). Flood magnitude and frequencies were published by Schopp and Firda (2008) for the streamgages on the Delaware River mainstem. Watson and Schopp (2009) presented peak-flow statistics for streamgage locations in New Jersey using data through the 2007 water year. Peak-flow statistics for Delaware streamgages were published in 2006 by Ries and Dillow. Peak-flow statistics for Maryland streamgage locations were presented by Dillow (1995). Doheny and Banks (2010) presented low-flow statistics and Ries (2006) presented low-flow and flow-duration statistics for Maryland streamgages. Low-flow and flow-duration statistics for streamgage locations in West Virginia were computed by Wiley (2006) using a common period of record, and peak-flow statistics were presented by Wiley and Atkins (2010). Koltun (2003) presented flood-peak discharges for rural, unregulated streamgages in Ohio.

Data Collection and Analysis

Streamflow data collected through the 2008 water year for 526 continuous-record streamgages in and near Pennsylvania with a minimum of 9 years of data were selected for this analysis (fig. 1; table 1, at end of report). Streamgages with periods of record affected by upstream regulation were split into pre-regulation and post-regulation periods. Streamflow statistics were determined for both the pre- and

post-regulation periods, when the period had at least 9 years of data. Periods of regulation were determined from USGS peak-flow files, indicating known regulation of flow, previously published USGS reports, and engineering judgment. Classification of known regulation as noted in the peak flow files generally was used if upstream reservoirs controlled more than 10 percent of the drainage area at the streamgage. Regulation is identified for each streamgage in table 1.

After the appropriate period of record was determined for each streamgage, daily flow values were retrieved from the USGS National Water Information System Web (NWISWeb) (U.S. Geological Survey, 2002) using software described by Granato (2009). A limitation to the version of the software used is that data prior to the year 1900 can not be retrieved. Therefore, data prior to 1900 for two streamgages were not used in the analysis. The files were reviewed for completeness and accuracy and entered into a watershed data management (WDM) file (Lumb and others, 1990).

Peak-flow data for each streamgage were retrieved from NWISWeb using the batch download option, excluding partial peaks. The retrieved peak-flow files contain one peak per year for the systematic record and any peaks recorded outside the systematic record, termed historical peaks. Peak flows recorded on a stream with regulated flow and any historical peaks are identified with codes in the file. The peak-flow files were reviewed for accuracy and completeness, and regulation and historical peak codes were noted. Historical peaks generally were included unless the peak was questionable or was not believed to have been the largest peak during the historical period. Streamgages unaffected by upstream regulation that were included in the recent flood-flow regression analysis for Pennsylvania (Roland and Stuckey, 2008) were not updated because of minimal increase of data. Flood-flow statistics were also not updated for streamgages in New York, New Jersey, Delaware, and West Virginia because of recent publications and revised regional skews used in those states.

Utilizing the WDM file, daily flow values from stream data recorded at each streamgage were entered into the USGS Surface Water Statistics (SWSTAT) software to calculate low-flow n-day, T-year statistics, flow durations, and the mean annual flow. To determine the base-flow statistics, the daily flow values from each streamgage were first separated into base-flow and surface-runoff components using the local-minimum method in the hydrograph separation computer program HYSEP (Sloto and Crouse, 1996). HYSEP limits the number of years of record to 100 years; 19 streamgages had records longer than 100 years, but only data from the most recent 100 years were used in the analysis. The adjusted daily flow value datasets were then entered into SWSTAT to calculate the base-flow statistics. Flood-flow statistics were determined using the USGS Peak Flow Frequency (PKFQWin) software for Windows (Flynn and others, 2006). Harmonic mean was determined using the U.S. Environmental Protection Agency DFLOW software (<http://www.epa.gov/waterscience/models/dflow/>) utilizing file-preparation software developed by Granato (2009).

² Climatic year is defined as 12-month period beginning April 1 and ending March 31. The climatic year is designated by the calendar year in which it ends.

Figure 1. Location of U.S. Geological Survey streamgauge locations with updated streamflow statistics.

The USGS software described above is publicly available on the web at <http://water.usgs.gov/osw/methods.html>. Standard options available in these programs were used to generate the statistics. Low-flow statistics were determined using methods described by Riggs (1972) and Matalas (1963). Flood-flow statistics were determined using methods described by the Water Resources Council, Hydrology Committee (1981) and implemented in the PKFQWin software. The weighted skew option within PKFQWin was used to determine the flood-flow frequencies for unregulated streams; the station skew was used to determine flood-flow frequencies for regulated streams. The Log-Pearson Type III frequency distribution was fit to the data using method of moments (mean, standard deviation, and coefficient of skewness) with adjustments for the flood flows for low outliers, high outliers, historic peaks, and generalized skew.

The resultant streamflow statistics for the 526 streamgages are listed in tables 2–5 (at end of report). If the period of record is split for a streamgage because of regulation, the streamgage is listed more than once in the table. The individual period of record used to compute the different statistics for the same streamgage may differ slightly depending on whether or not historical peak(s) were included in the computation, the type of year (climatic or water) used to compute the statistic, or regulation occurring at different flow regimes.

Comparison with Previously Reported Streamflow Statistics for Streamgauge Locations in Pennsylvania

The streamflow statistics generated from this analysis were compared to previously reported streamflow statistics to determine if there is a significant change and whether the statistics have increased or decreased. Seventy-two current continuous-record streamgages with data through the 2008 water year and unregulated flow were selected for this comparison. The 7-day, 10-year low flow (7Q10), 30-day, 10-year low flow (30Q10), harmonic mean, and 95-, 50-, and 5-percent flow-duration exceedance (P95, P50, and P5, respectively) for the 72 streamgages were compared to flow statistics published by Ehlke and Reed (1999), which used streamflow data through the 1995 or 1996 climatic year. Flood-flow statistics were excluded from this comparison because most of the 72 streamgages were not updated as part of the current analysis.

A Wilcoxon signed-rank test was used to determine if there was a significant change in the median value of the six flow statistics from 1996 to 2008. (Helsel and Hirsch, 1993). The analysis was done using a 95-percent confidence level ($\alpha=0.05$). The change in median streamflow statistics since 1996 and the results of the Wilcoxon signed-rank test are shown in table 6 (at end of report). This change in streamflow characteristic was determined from the median difference

between the data sets and is depicted as an increase or decrease in the flow characteristic. A significant difference was found between the data sets for the 30Q10, harmonic mean, P50, and P5 statistics; no significant difference was found between the data sets for the 7Q10 and P95 statistics. The lower flow statistics (7Q10, 30Q10, and P95) show a decrease since 1996, and the mid- to higher flows (harmonic mean, P50, and P5) show an increase since 1996. This can be partly attributed to the drought conditions experienced by much of Pennsylvania in the late 1990s and early 2000s and the large flood events of 1999, 2004, and 2006.

Summary

Streamflow statistics are used routinely by water-resource professionals for a variety of purposes, including water-use allocations, aquatic-habitat needs, flood-plain management, and the design of bridges and flood-control structures. Streamflow statistics for a streamgage can change over time as more data become available and (or) as land use or climate in the watershed changes; consequently, streamflow statistics should be updated periodically. In cooperation with the Pennsylvania Department of Environmental Protection, this report presents updated streamflow statistics for 526 U.S. Geological Survey (USGS) continuous-record streamgages in Pennsylvania, New York, New Jersey, Delaware, Maryland, West Virginia, and Ohio. The following streamflow statistics were updated: low flows (1-day, 10-year; 7-day, 10-year; 7-day, 2-year; 30-day, 10-year; 30-day, 2-year; and 90-day, 10-year low flows), base flows (10-year, 25-year, and 50-year base flows), peak flows (50-, 20-, 10-, 4-, 2-, 1-, and 0.2-percent annual exceedance flood), mean flows (mean annual flow and harmonic mean flow), and flow durations (99-, 95-, 90-, 85-, 80-, 70-, 60-, 50-, 40-, 30-, 20-, 15-, 10-, 5-, and 1-percent exceedance).

Streamflow statistics (7-day, 10-year and 30-day, 10-year low flows; harmonic mean; and 95-, 50-, and 5-percent flow duration exceedances) for 72 streamgage locations in Pennsylvania were compared using a Wilcoxon signed-rank test to previously reported statistics. A significant difference was found between the data sets for the 30-day, 10-year; harmonic mean; 50-percent flow-duration exceedance; and 5-percent flow-duration exceedance statistics; no significant difference was found between the data sets for the 7-day, 10-year low-flow and 95-percent flow-duration exceedance statistics. The lower flow statistics show a decrease since 1996, and the mid- to higher flows show an increase since 1996.

Acknowledgments

Special thanks are extended to the Pennsylvania Water Science Center (and New York, New Jersey, Delaware, Maryland, West Virginia, and Ohio) Hydrologic Surveillance Program staffs for their compilation and meticulous review

of streamgage data used to determine the streamflow statistics. Thanks also to Gregory Granato (Massachusetts Water Science Center) for developing software that assisted with data preparation, Edward Koerkle (Pennsylvania Water Science Center) for script development and statistical expertise, and Scott Hoffman (Pennsylvania Water Science Center) for GIS assistance. Clinton Hittle and Peter Cinotto of the USGS provided technical reviews of the manuscript. Gary Firda, Ed Doheny, Jeff Wiley, and Greg Koltun of the USGS provided review of statistics for streamgages in New York, Maryland and Delaware, West Virginia, and Ohio, respectively.

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6 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

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Tables 1–6

8 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.

[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01411456	Little Ease Run near Clayton, N.J.	39.659	-75.068	9.77	N
01411500	Maurice River at Norma, N.J.	39.496	-75.077	112	N
01412000	Menantico Creek near Millville, N.J.	39.419	-74.966	23.2	N
01412800	Cohansey River at Seeley, N.J.	39.473	-75.256	28.0	N
01413500	East Branch Delaware River at Margaretville, N.Y.	42.145	-74.653	163	N
01414000	Platte Kill at Dunraven, N.Y.	42.133	-74.695	34.9	N
01414500	Mill Brook near Dunraven, N.Y.	42.106	-74.730	25.2	N
01415000	Tremper Kill near Andes, N.Y.	42.120	-74.818	33.2	N
01417000	East Branch Delaware River at Downsville, N.Y.	42.075	-74.976	372	Y
01417500	East Branch Delaware River at Harvard, N.Y.	42.025	-75.119	458	Y
01420000	Little Beaver Kill near Livingston Manor, N.Y.	41.873	-74.797	20.1	N
01420500	Beaver Kill at Cooks Falls, N.Y.	41.946	-74.980	241	N
01421000	East Branch Delaware River at Fishs Eddy, N.Y.	41.973	-75.174	784	Y
01421900	West Branch Delaware River upstream from Delhi, N.Y.	42.280	-74.907	134	N
01422500	Little Delaware River near Delhi, N.Y.	42.252	-74.902	49.8	N
01423000	West Branch Delaware River at Walton, N.Y.	42.166	-75.140	332	N
0142400103	Trout Creek near Trout Creek, N.Y.	42.174	-75.279	20.2	N
01425000	West Branch Delaware River at Stilesville, N.Y.	42.075	-75.396	456	Y
01425675	Oquaga Creek near North Sanford, N.Y.	42.175	-75.440	4.69	N
01426000	Oquaga Creek at Deposit, N.Y.	42.059	-75.428	67.6	N
01426500	West Branch Delaware River at Hale Eddy, N.Y.	42.003	-75.384	595	Y
01427500	Callicoon Creek at Callicoon, N.Y.	41.761	-75.048	110	N
01427510	Delaware River at Callicoon, N.Y.	41.757	-75.057	1,820	Y
01428500	Delaware River above Lackawaxen River near Barryville, N.Y.	41.509	-74.986	2,020	Y
01428750	West Branch Lackawaxen River near Aldenville, Pa.	41.675	-75.376	40.6	N
01429000	West Branch Lackawaxen River at Prompton, Pa.	41.587	-75.327	59.7	Y
01429500	Dyberry Creek near Honesdale, Pa.	41.607	-75.267	64.6	Y
01430000	Lackawaxen River near Honesdale, Pa.	41.562	-75.248	164	Y
01430500	Lackawaxen River at West Hawley, Pa.	41.486	-75.187	206	N
01431000	Middle Creek near Hawley, Pa.	41.485	-75.222	78.4	N
01431500	Lackawaxen River at Hawley, Pa.	41.476	-75.172	290	Y
01432000	Wallenpaupack Creek at Wilsonville, Pa.	41.459	-75.185	228	Y
01433500	Mongaup River near Mongaup, N.Y.	41.461	-74.759	200	Y
01434000	Delaware River at Port Jervis, N.Y.	41.371	-74.697	3,070	Y
0143400680	East Branch Neversink River northeast of Denning, N.Y.	41.967	-74.448	8.93	N
01434017	East Branch Neversink River near Claryville, N.Y.	41.925	-74.540	22.9	N
01434021	W Branch Neversink River at Winnisook L near Frost Valley, N.Y.	42.011	-74.414	.77	N
01434025	Biscuit BK above Pigeon BK at Frost Valley, N.Y.	41.995	-74.501	3.72	N
01434498	West Branch Neversink River at Claryville, N.Y.	41.920	-74.575	33.8	N
01435000	Neversink River near Claryville, N.Y.	41.890	-74.590	66.6	N
01436000	Neversink River at Neversink, N.Y.	41.820	-74.635	92.6	Y
01436500	Neversink River at Woodbourne, N.Y.	41.757	-74.597	113	Y
01436690	Neversink River at Bridgeville, N.Y.	41.638	-74.617	171	Y
01437500	Neversink River at Godeffroy, N.Y.	41.441	-74.602	307	Y
01438500	Delaware River at Montague, N.J.	41.309	-74.795	3,480	Y

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01439500	Bush Kill at Shoemakers, Pa.	41.088	-75.038	117	N
01440000	Flat Brook near Flatbrookville, N.J.	41.106	-74.953	64.0	N
01440200	Delaware River near Delaware Water Gap, Pa.	41.013	-75.086	3,850	Y
01440400	Brodhead Creek near Analomink, Pa.	41.085	-75.215	65.9	N
01441000	McMichael Creek near Stroudsburg, Pa.	40.979	-75.201	65.3	N
01442500	Brodhead Creek at Minisink Hills, Pa.	40.999	-75.143	259	N
01443280	East Branch Paulins Kill near Lafayette, N.J.	41.076	-74.695	13.0	N
01443500	Paulins Kill at Blairstown, N.J.	40.981	-74.953	126	N
01443900	Yards Creek near Blairstown, N.J.	40.981	-75.039	5.34	N
01445000	Pequest River at Huntsville, N.J.	40.981	-74.776	31.0	N
01445500	Pequest River at Pequest, N.J.	40.831	-74.978	106	N
01446000	Beaver Brook near Belvidere, N.J.	40.843	-75.046	36.7	N
01446500	Delaware River at Belvidere, N.J.	40.826	-75.083	4,535	Y
01446600	Martins Creek near East Bangor, Pa.	40.900	-75.202	10.4	N
01447500	Lehigh River at Stoddartsville, Pa.	41.130	-75.625	91.7	N
01447680	Tunkhannock Creek near Long Pond, Pa.	41.065	-75.522	20.0	LF
01447720	Tobyhanna Creek near Blakeslee, Pa.	41.085	-75.605	118	LF
01447800	Lehigh River below Francis E Walter Res near White Haven, Pa.	41.105	-75.732	290	Y
01448000	Lehigh River at Tannery, Pa.	41.040	-75.761	322	N
01448500	Dilldown Creek near Long Pond, Pa.	41.036	-75.543	2.39	N
01449000	Lehigh River at Lehighon, Pa.	40.829	-75.705	591	Y
01449360	Pohopoco Creek at Kresgeville, Pa.	40.898	-75.502	49.9	N
01449800	Pohopoco Creek below Beltzville Dam near Parryville, Pa.	40.846	-75.646	96.4	Y
01450500	Aquashicola Creek at Palmerton, Pa.	40.806	-75.598	76.7	N
01451000	Lehigh River at Walnutport, Pa.	40.757	-75.603	889	Y
01451500	Little Lehigh Creek near Allentown, Pa.	40.582	-75.483	80.8	N
01451650	Little Lehigh Creek at Tenth St. Br. at Allentown, Pa.	40.596	-75.474	98.2	N
01451800	Jordan Creek near Schnecksville, Pa.	40.662	-75.627	53.0	N
01452000	Jordan Creek at Allentown, Pa.	40.623	-75.482	75.8	N
01452500	Monocacy Creek at Bethlehem, Pa.	40.641	-75.379	44.5	N
01453000	Lehigh River at Bethlehem, Pa.	40.615	-75.379	1,279	Y
01454700	Lehigh River at Glendon, Pa.	40.669	-75.236	1,359	Y
01455160	Brass Castle Creek near Washington, N.J.	40.765	-75.018	2.34	N
01455500	Musconetcong River at outlet of Lake Hopatcong, N.J.	40.917	-74.666	25.3	N
01457000	Musconetcong River near Bloomsbury, N.J.	40.672	-75.061	141	N
01459500	Tohickon Creek near Pipersville, Pa.	40.434	-75.117	97.4	Y
01463500	Delaware River at Trenton, N.J.	40.222	-74.778	6,780	Y
01463620	Assunpink Creek near Clarksville, N.J.	40.270	-74.672	34.3	N
01464000	Assunpink Creek at Trenton, N.J.	40.224	-74.749	90.6	N
01464500	Crosswicks Creek at Extonville, N.J.	40.137	-74.6	81.5	N
01464645	NB Neshaminy Creek bl Lake Galena nr New Britain, Pa.	40.312	-75.207	16.2	Y
01464720	NB Neshaminy Creek at Chalfont, Pa.	40.288	-75.204	31.5	Y
01465000	Neshaminy Creek at Rushland, Pa.	40.255	-75.033	134	N
01465500	Neshaminy Creek near Langhorne, Pa.	40.174	-74.957	210	N
01465770	Poquessing Creek at Trevoise Road, Phila., Pa.	40.132	-74.994	5.08	N

10 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01465780	Poquessing Creek above Byberry Creek at Phila., Pa.	40.070	-74.975	13.2	N
01465798	Poquessing Creek at Grant Ave. at Philadelphia, Pa.	40.057	-74.985	21.4	N
01465850	South Branch Rancocas Creek at Vincentown, N.J.	39.94	-74.763	64.5	N
01466500	McDonalds Branch in Byrne State Forest, N.J.	39.885	-74.505	2.35	N
01467000	North Branch Rancocas Creek at Pemberton, N.J.	39.97	-74.684	118	N
01467042	Pennypack Creek at Pine Road, at Philadelphia, Pa.	40.090	-75.069	37.9	N
01467048	Pennypack Creek at Lower Rhawn St Bdg, Phila., Pa.	40.050	-75.033	49.8	N
01467050	Wooden Bridge Run at Philadelphia, Pa.	40.055	-75.022	3.35	N
01467081	South Branch Pennsauken Creek at Cherry Hill, N.J.	39.942	-75.001	8.98	N
01467086	Tacony Creek ab Adams Avenue, Philadelphia, Pa.	40.047	-75.111	16.7	N
01467087	Frankford Creek at Castor Ave, Philadelphia, Pa.	40.016	-75.097	30.4	N
01467089	Frankford Creek at Torresdale Ave., Phila., Pa.	40.007	-75.092	33.8	N
01467150	Cooper River at Haddonfield, N.J.	39.903	-75.021	17.0	N
01467500	Schuylkill River at Pottsville, Pa.	40.684	-76.186	53.4	N
01468500	Schuylkill River at Landingville, Pa.	40.629	-76.125	133	N
01469500	Little Schuylkill River at Tamaqua, Pa.	40.807	-75.972	42.9	N
01470500	Schuylkill River at Berne, Pa.	40.523	-75.998	355	N
01470756	Maiden Creek at Virginvile, Pa.	40.514	-75.883	159	N
01470779	Tulpehocken Creek near Bernville, Pa.	40.413	-76.172	66.5	N
01470853	Furnace Creek at Robesonia, Pa.	40.340	-76.143	4.18	N
01470960	Tulpehocken Creek at Blue Marsh Damsite near Reading, Pa.	40.371	-76.025	175	Y
01471000	Tulpehocken Creek near Reading, Pa.	40.369	-75.979	211	Y
01471510	Schuylkill River at Reading, Pa.	40.335	-75.936	880	Y
01471875	Manatawny Creek near Spangsville, Pa.	40.340	-75.742	56.9	N
01471980	Manatawny Creek near Pottstown, Pa.	40.273	-75.680	85.5	N
01472000	Schuylkill River at Pottstown, Pa.	40.242	-75.652	1,147	Y
01472157	French Creek near Phoenixville, Pa.	40.151	-75.601	59.1	N
01472174	Pickering Creek near Chester Springs, Pa.	40.090	-75.630	5.98	N
01472198	Perkiomen Creek at East Greenville, Pa.	40.394	-75.515	38.0	N
01472199	West Branch Perkiomen Creek at Hillegass, Pa.	40.374	-75.522	23.0	N
01472500	Perkiomen Creek near Frederick, Pa.	40.275	-75.455	152	N
01472620	East Branch Perkiomen Creek near Dublin, Pa.	40.404	-75.234	4.05	LF
01472810	East Branch Perkiomen Creek near Schwenksville, Pa.	40.259	-75.429	58.7	LF
01473000	Perkiomen Creek at Graterford, Pa.	40.230	-75.452	279	LF
01473120	Skippack Creek near Collegeville, Pa.	40.165	-75.433	53.7	N
01473169	Valley Creek at Pa. Turnpike Br near Valley Forge, Pa.	40.079	-75.461	20.8	N
01473500	Schuylkill River at Norristown, Pa.	40.111	-75.347	1,760	N
01473900	Wissahickon Creek at Fort Washington, Pa.	40.124	-75.220	40.8	N
01473950	Wissahickon Creek at Bells Mill Rd, Phila., Pa.	40.080	-75.226	53.6	N
01473980	Wissahickon Creek at Livezey Lane, Phila., Pa.	40.050	-75.214	59.2	N
01474000	Wissahickon Creek at Mouth, Philadelphia, Pa.	40.015	-75.207	64.0	N
01474500	Schuylkill River at Philadelphia, Pa.	39.968	-75.189	1,893	N
01475000	Mantua Creek at Pitman, N.J.	39.737	-75.113	6.05	N
01475300	Darby Creek at Waterloo Mills near Devon, Pa.	40.023	-75.422	5.15	N
01475510	Darby Creek near Darby, Pa.	39.929	-75.272	37.4	N

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01475530	Cobbs Creek at U.S. Highway No. 1 at Philadelphia, Pa.	39.975	-75.280	4.78	N
01475540	Cobbs Creek below Indian Creek near Upper Darby, Pa.	39.965	-75.258	9.65	N
01475550	Cobbs Creek at Darby, Pa.	39.917	-75.247	22.0	N
01475850	Crum Creek near Newtown Square, Pa.	39.976	-75.437	15.8	N
01476480	Ridley Creek at Media, Pa.	39.916	-75.403	30.5	N
01476500	Ridley Creek at Moylan, Pa.	39.903	-75.393	31.9	N
01477000	Chester Creek near Chester, Pa.	39.869	-75.408	61.1	N
01477120	Raccoon Creek near Swedesboro, N.J.	39.741	-75.259	26.9	N
01477800	Shellpot Creek at Wilmington, Del.	39.761	-75.519	7.46	N
01478000	Christina River at Coochs Bridge, Del.	39.637	-75.728	20.5	LF
01478500	White Clay Creek above Newark, Del.	39.714	-75.759	66.7	N
01479000	White Clay Creek near Newark, Del.	39.699	-75.675	89.1	LF
01479820	Red Clay Creek near Kennett Square, Pa.	39.817	-75.692	28.3	N
01480000	Red Clay Creek at Wooddale, Del.	39.763	-75.637	47.0	N
01480015	Red Clay Creek near Stanton, Del.	39.716	-75.640	52.4	N
01480100	Little Mill Creek at Elsmere, Del.	39.735	-75.587	6.70	N
01480300	West Branch Brandywine Creek near Honey Brook, Pa.	40.073	-75.861	18.7	N
01480500	West Branch Brandywine Creek at Coatesville, Pa.	39.986	-75.827	45.8	LF
01480617	West Branch Brandywine Creek at Modena, Pa.	39.962	-75.801	55.0	N
01480675	Marsh Creek near Glenmoore, Pa.	40.098	-75.742	8.57	N
01480680	Marsh Creek near Lyndell, Pa.	40.066	-75.727	17.8	N
01480685	Marsh Creek near Downingtown, Pa.	40.055	-75.716	20.3	Y
01480700	East Branch Brandywine Creek near Downingtown, Pa.	40.035	-75.709	60.6	Y
01480800	East Branch Brandywine Creek at Downingtown, Pa.	40.006	-75.705	81.6	N
01480870	East Branch Brandywine Creek below Downingtown, Pa.	39.969	-75.673	89.9	Y
01481000	Brandywine Creek at Chadds Ford, Pa.	39.870	-75.593	287	LF
01481500	Brandywine Creek at Wilmington, Del.	39.769	-75.573	314	LF
01482500	Salem River at Woodstown, N.J.	39.644	-75.330	14.6	N
01483200	Blackbird Creek at Blackbird, Del.	39.366	-75.669	4.06	N
01483700	St Jones River at Dover, Del.	39.164	-75.519	31.9	LF
01484000	Murderkill River near Felton, Del.	38.976	-75.567	12.9	N
01484100	Beaverdam Branch at Houston, Del.	38.906	-75.513	3.02	N
01484270	Beaverdam Creek near Milton, Del.	38.762	-75.267	6.85	N
01493000	Unicorn Branch near Millington, Md.	39.250	-75.861	19.7	N
01493500	Morgan Creek near Kennedyville, Md.	39.280	-76.015	12.7	N
01495000	Big Elk Creek at Elk Mills, Md.	39.657	-75.822	52.6	N
01496000	NorthEast Creek at Leslie, Md.	39.628	-75.944	24.3	N
01496200	Principio Creek near Principio Furnace, Md.	39.626	-76.041	9.03	N
01496500	Oaks Creek at Index, N.Y.	42.666	-74.960	102	N
01500000	Ouleout Creek at East Sidney, N.Y.	42.333	-75.235	103	Y
01500500	Susquehanna River at Unadilla, N.Y.	42.321	-75.317	982	N
01502000	Butternut Creek at Morris, N.Y.	42.545	-75.239	59.7	N
01502500	Unadilla River at Rockdale, N.Y.	42.378	-75.406	520	N
01503000	Susquehanna River at Conklin, N.Y.	42.035	-75.803	2,232	N
01505000	Chenango River at Sherburne, N.Y.	42.679	-75.510	263	N

12 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01508803	West Branch Tioughnioga River at Homer, N.Y.	42.638	-76.176	71.5	N
01509000	Tioughnioga River at Cortland, N.Y.	42.603	-76.159	292	N
01510000	Otselic River at Cincinnatus, N.Y.	42.541	-75.900	147	N
01512500	Chenango River near Chenango Forks, N.Y.	42.218	-75.848	1,483	N
01515000	Susquehanna River near Waverly, N.Y.	41.985	-76.501	4,773	N
01516350	Tioga River near Mansfield, Pa.	41.797	-77.080	153	N
01516500	Corey Creek near Mainesburg, Pa.	41.791	-77.015	12.2	N
01518000	Tioga River at Tioga, Pa.	41.908	-77.129	282	Y
01518700	Tioga River at Tioga Junction, Pa.	41.953	-77.115	446	Y
01518862	Cowanesque River at Westfield, Pa.	41.923	-77.532	90.6	N
01520000	Cowanesque River near Lawrenceville, Pa.	41.997	-77.140	298	Y
01520500	Tioga River at Lindley, N.Y.	42.029	-77.132	771	Y
01521500	Canisteo River at Arkport, N.Y.	42.396	-77.711	30.6	Y
01523500	Canacadea Creek near Hornell, N.Y.	42.335	-77.683	57.9	Y
01524500	Canisteo River below Canacadea Creek at Hornell, N.Y.	42.314	-77.651	158	Y
01526500	Tioga River near Erwins, N.Y.	42.121	-77.129	1,377	Y
01527000	Cohocton River at Cohocton, N.Y.	42.500	-77.500	52.2	N
01527500	Cohocton River at Avoca, N.Y.	42.398	-77.417	152	N
01528000	Fivemile Creek near Kanona, N.Y.	42.388	-77.358	66.8	N
01529000	Mud Creek near Savona, N.Y.	42.308	-77.197	76.6	Y
01529500	Cohocton River near Campbell, N.Y.	42.253	-77.217	470	N
01529950	Chemung River at Corning, N.Y.	42.146	-77.057	2,006	Y
01530332	Chemung River at Elmira, N.Y.	42.086	-76.801	2,162	Y
01530500	Newtown Creek at Elmira, N.Y.	42.105	-76.798	77.5	Y
01531000	Chemung River at Chemung, N.Y.	42.002	-76.635	2,506	Y
01531500	Susquehanna River at Towanda, Pa.	41.765	-76.441	7,797	Y
01532000	Towanda Creek near Monroeton, Pa.	41.707	-76.485	215	N
01532850	MB Wyalusing Creek near Birchardville, Pa.	41.863	-76.007	5.67	N
01533400	Susquehanna River at Meshoppen, Pa.	41.607	-76.050	8,720	Y
01533500	North Branch Mehoopany Creek near Lovelton, Pa.	41.531	-76.156	35.2	N
01533950	SB Tunkhannock Creek near Montdale, Pa.	41.575	-75.642	12.6	N
01534000	Tunkhannock Creek near Tunkhannock, Pa.	41.558	-75.895	383	N
01534300	Lackawanna River near Forest City, Pa.	41.680	-75.472	38.8	Y
01534500	Lackawanna River at Archbald, Pa.	41.505	-75.542	108	Y
01536000	Lackawanna River at Old Forge, Pa.	41.359	-75.744	332	Y
01536500	Susquehanna River at Wilkes-Barre, Pa.	41.251	-75.881	9,960	Y
01537000	Toby Creek at Luzerne, Pa.	41.281	-75.896	32.4	Y
01537500	Solomon Creek at Wilkes-Barre, Pa.	41.228	-75.904	15.7	N
01538000	Wapwallopen Creek near Wapwallopen, Pa.	41.059	-76.094	43.8	N
01539000	Fishing Creek near Bloomsburg, Pa.	41.078	-76.431	274	N
01539500	Little Fishing Creek at Eysers Grove, Pa.	41.080	-76.511	56.5	N
01540200	Trexler Run near Ringtown, Pa.	40.853	-76.280	1.77	N
01540500	Susquehanna River at Danville, Pa.	40.958	-76.619	11,220	Y
01541000	West Branch Susquehanna River at Bower, Pa.	40.897	-78.677	315	N
01541200	West Branch Susquehanna River near Curwensville, Pa.	40.961	-78.519	367	Y

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01541303	West Branch Susquehanna River at Hyde, Pa.	41.005	-78.457	474	Y
01541308	Bradley Run near Ashville, Pa.	40.509	-78.584	6.77	N
01541500	Clearfield Creek at Dimeling, Pa.	40.972	-78.406	371	Y
01542000	Moshannon Creek at Osceola Mills, Pa.	40.850	-78.268	68.8	N
01542500	WB Susquehanna River at Karthaus, Pa.	41.118	-78.109	1,462	Y
01542810	Waldy Run near Emporium, Pa.	41.579	-78.293	5.24	N
01543000	Driftwood Branch Sinnemahoning Creek at Sterling Run, Pa.	41.413	-78.197	272	N
01543500	Sinnemahoning Creek at Sinnemahoning, Pa.	41.317	-78.103	685	N
01544000	First Fork Sinnemahoning Creek near Sinnemahoning, Pa.	41.402	-78.024	245	Y
01544500	Kettle Creek at Cross Fork, Pa.	41.476	-77.826	136	N
01545000	Kettle Creek near Westport, Pa.	41.320	-77.874	233	Y
01545500	West Branch Susquehanna River at Renovo, Pa.	41.325	-77.751	2,975	Y
01545600	Young Womans Creek near Renovo, Pa.	41.390	-77.691	46.2	N
01546000	North Bald Eagle Creek at Milesburg, Pa.	40.942	-77.794	119	N
01546400	Spring Creek at Houserville, Pa.	40.834	-77.828	58.5	N
01546500	Spring Creek near Axemann, Pa.	40.890	-77.794	87.2	N
01547100	Spring Creek at Milesburg, Pa.	40.932	-77.786	142	N
01547200	Bald Eagle Creek below Spring Creek at Milesburg, Pa.	40.943	-77.786	265	N
01547500	Bald Eagle Creek at Blanchard, Pa.	41.052	-77.604	339	Y
01547700	Marsh Creek at Blanchard, Pa.	41.060	-77.606	44.1	N
01547800	South Fork Beech Creek near Snow Shoe, Pa.	41.024	-77.904	12.2	N
01547950	Beech Creek at Monument, Pa.	41.112	-77.702	152	N
01548005	Bald Eagle Creek near Beech Creek Station, Pa.	41.081	-77.549	562	Y
01548500	Pine Creek at Cedar Run, Pa.	41.522	-77.447	604	N
01549000	Pine Creek near Waterville, Pa.	41.313	-77.379	750	N
01549500	Blockhouse Creek near English Center, Pa.	41.474	-77.231	37.7	N
01549700	Pine Creek below Little Pine Creek near Waterville, Pa.	41.274	-77.324	944	Y
01550000	Lycoming Creek near Trout Run, Pa.	41.418	-77.033	173	N
01551500	WB Susquehanna River at Williamsport, Pa.	41.236	-76.997	5,682	Y
01552000	Loyalsock Creek at Loyalsockville, Pa.	41.325	-76.912	435	N
01552500	Muncy Creek near Sonestown, Pa.	41.357	-76.535	23.8	N
01553130	Sand Spring Run near White Deer, Pa.	41.059	-77.077	4.93	N
01553500	West Branch Susquehanna River at Lewisburg, Pa.	40.968	-76.876	6,847	Y
01553700	Chillisquaque Creek at Washingtonville, Pa.	41.062	-76.680	51.3	N
01554000	Susquehanna River at Sunbury, Pa.	40.835	-76.827	18,300	Y
01554500	Shamokin Creek near Shamokin, Pa.	40.810	-76.584	54.2	N
01555000	Penns Creek at Penns Creek, Pa.	40.867	-77.048	301	N
01555500	East Mahantango Creek near Dalmatia, Pa.	40.611	-76.912	162	N
01556000	Frankstown Branch Juniata River at Williamsburg, Pa.	40.463	-78.200	291	N
01557500	Bald Eagle Creek at Tyrone, Pa.	40.684	-78.234	44.1	N
01558000	Little Juniata River at Spruce Creek, Pa.	40.613	-78.141	220	N
01559000	Juniata River at Huntingdon, Pa.	40.485	-78.019	816	LF
01559500	Standing Stone Creek near Huntingdon, Pa.	40.524	-77.971	128	N
01559700	Sulphur Springs Creek near Manns Choice, Pa.	39.978	-78.619	5.28	N
01560000	Dunning Creek at Belden, Pa.	40.072	-78.493	172	N

14 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01561000	Brush Creek at Gapsville, Pa.	39.956	-78.254	36.8	N
01562000	Raystown Branch Juniata River at Saxton, Pa.	40.216	-78.265	756	N
01562500	Great Trough Creek near Marklesburg, Pa.	40.350	-78.130	84.6	N
01563200	Raystown Branch Juniata River below Rays Dam nr Huntingdon, Pa.	40.429	-77.991	960	Y
01563500	Juniata River at Mapleton Depot, Pa.	40.392	-77.935	2,030	Y
01564500	Aughwick Creek near Three Springs, Pa.	40.213	-77.925	205	N
01565000	Kishacoquillas Creek at Reedsville, Pa.	40.655	-77.583	164	N
01565700	Little Lost Creek at Oakland Mills, Pa.	40.605	-77.311	6.52	N
01566000	Tuscarora Creek near Port Royal, Pa.	40.515	-77.419	214	N
01566500	Cocolamus Creek near Millerstown, Pa.	40.566	-77.118	57.2	N
01567000	Juniata River at Newport, Pa.	40.478	-77.129	3,354	Y
01567500	Bixler Run near Loysville, Pa.	40.371	-77.402	15.0	N
01568000	Sherman Creek at Shermans Dale, Pa.	40.323	-77.169	207	N
01568500	Clark Creek near Carsonville, Pa.	40.460	-76.751	22.5	LF
01569000	Stony Creek nr Dauphin, Pa.	40.380	-76.907	33.2	N
01569800	Letort Spring Run near Carlisle, Pa.	40.235	-77.139	21.6	N
01570000	Conodoguinet Creek near Hogestown, Pa.	40.252	-77.021	470	LF
01570500	Susquehanna River at Harrisburg, Pa.	40.255	-76.886	24,100	Y
01571000	Paxton Creek near Penbrook, Pa.	40.308	-76.850	11.2	N
01571500	Yellow Breeches Creek near Camp Hill, Pa.	40.225	-76.898	213	N
01572000	Lower Little Swatara Creek at Pine Grove, Pa.	40.538	-76.377	34.3	N
01572025	Swatara Creek near Pine Grove, Pa.	40.533	-76.402	116	N
01572190	Swatara Creek near Inwood, Pa.	40.479	-76.531	167	N
01573000	Swatara Creek at Harper Tavern, Pa.	40.403	-76.577	337	N
01573086	Beck Creek near Cleona, Pa.	40.323	-76.483	7.87	N
01573160	Quittapahilla Creek near Bellegrove, Pa.	40.343	-76.562	74.2	N
01573500	Manada Creek at Manada Gap, Pa.	40.397	-76.709	13.5	N
01573560	Swatara Creek near Hershey, Pa.	40.298	-76.668	483	N
01574000	West Conewago Creek near Manchester, Pa.	40.082	-76.720	510	N
01574500	Codorus Creek at Spring Grove, Pa.	39.879	-76.853	75.5	Y
01575000	South Branch Codorus Creek near York, Pa.	39.921	-76.749	117	Y
01575500	Codorus Creek near York, Pa.	39.946	-76.755	222	Y
01576000	Susquehanna River at Marietta, Pa.	40.055	-76.531	25,990	Y
01576085	Little Conestoga Creek near Churchtown, Pa.	40.145	-75.989	5.82	N
01576500	Conestoga River at Lancaster, Pa.	40.050	-76.277	324	N
01576754	Conestoga River at Conestoga, Pa.	39.946	-76.368	470	N
01578310	Susquehanna River at Conowingo, Md.	39.658	-76.174	27,100	Y
01578400	Bowery Run near Quarryville, Pa.	39.895	-76.114	5.98	N
01580000	Deer Creek at Rocks, Md.	39.630	-76.403	94.4	N
01581500	Bynum Run at Bel Air, Md.	39.541	-76.330	8.52	N
01581700	Winters Run near Benson, Md.	39.520	-76.373	34.8	N
01582000	Little Falls at Blue Mount, Md.	39.604	-76.620	52.9	N
01582500	Gunpowder Falls at Glencoe, Md.	39.550	-76.636	160	Y
01583000	Slade Run near Glyndon, Md.	39.495	-76.795	2.09	N
01583100	Piney Run at Dover, Md.	39.521	-76.767	12.3	N

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01583500	Western Run at Western Run, Md.	39.511	-76.677	59.8	N
01583600	Beaverdam Run at Cockeysville, Md.	39.486	-76.646	20.9	N
01584050	Long Green Creek at Glen Arm, Md.	39.455	-76.479	9.40	N
01584500	Little Gunpowder Falls at Laurel Brook, Md.	39.505	-76.432	36.1	N
01585095	North Fork Whitemarsh Run near White Marsh, Md.	39.386	-76.469	1.34	N
01585100	Whitemarsh Run at White Marsh, Md.	39.371	-76.446	7.61	N
01585200	West Branch Herring Run at Idlewylde, Md.	39.374	-76.584	2.13	N
01585300	Stemmers Run at Rossville, Md.	39.341	-76.488	4.46	N
01585400	Brien Run at Stemmers Run, Md.	39.334	-76.473	1.97	N
01585500	Cranberry Branch near Westminster, Md.	39.593	-76.968	3.29	LF
01586000	North Branch Patapsco River at Cedarhurst, Md.	39.504	-76.885	56.6	LF
01586210	Beaver Run near Finksburg, Md.	39.489	-76.903	14.0	N
01586610	Morgan Run near Louisville, Md.	39.452	-76.955	28.0	N
01587500	South Branch Patapsco River at Henryton, Md.	39.351	-76.914	64.4	N
01589000	Patapsco River at Hollofield, Md.	39.310	-76.792	285	Y
01589100	East Branch Herbert Run at Arbutus, Md.	39.24	-76.692	2.47	N
01589300	Gwynns Falls at Villa Nova, Md.	39.346	-76.733	32.5	N
01589330	Dead Run at Franklintown, Md.	39.311	-76.717	5.52	N
01589440	Jones Falls at Sorrento, Md.	39.392	-76.661	25.2	N
01589500	Sawmill Creek at Glen Burnie, Md.	39.17	-76.631	4.97	LF
01594930	Laurel Run at Dobbin Road near Wilson, Md.	39.244	-79.428	8.23	N
01594936	North Fork Sand Run near Wilson, Md.	39.260	-79.410	1.91	N
01594950	McMillan F near Fort Pendleton, Md.	39.277	-79.390	2.30	N
01595000	North Branch Potomac River at Steyer, Md.	39.302	-79.307	73.1	N
01595200	Stony River near Mount Storm, W.Va.	39.270	-79.262	48.7	Y
01595300	Abram Creek at Oakmont, W.Va.	39.367	-79.179	42.6	N
01595500	North Branch Potomac River at Kitzmiller, Md.	39.394	-79.182	225	N
01595800	North Branch Potomac River at Barnum, W.Va.	39.445	-79.111	266	Y
01596500	Savage River near Barton, Md.	39.570	-79.102	49.1	N
01597000	Crabtree Creek near Swanton, Md.	39.500	-79.159	16.7	N
01597500	Savage River below Savage River Dam near Bloomington, Md.	39.503	-79.124	106	Y
01598500	North Branch Potomac River at Luke, Md.	39.479	-79.064	406	Y
01599000	Georges Creek at Franklin, Md.	39.494	-79.045	72.4	N
01600000	North Branch Potomac River at Pinto, Md.	39.567	-78.840	607	Y
01601000	Wills Creek below Hyndman, Pa.	39.812	-78.716	146	N
01601500	Wills Creek near Cumberland, Md.	39.670	-78.788	247	N
01603000	North Branch Potomac River near Cumberland, Md.	39.622	-78.773	877	Y
01603500	Evitts Creek near Centerville, Pa.	39.790	-78.646	30.2	N
01604500	Patterson Creek near Headsville, W.Va.	39.443	-78.822	221	N
01609000	Town Creek near Oldtown, Md.	39.553	-78.555	148	N
01610000	Potomac River at Paw Paw, W.Va.	39.539	-78.456	3,129	N
01610155	Sideling Hill Creek near Bellegrove, Md.	39.650	-78.344	102	N
01611500	Cacapon River near Great Cacapon, W.Va.	39.582	-78.310	675	N
01613000	Potomac River at Hancock, Md.	39.698	-78.178	4,064	N
01613050	Tonoloway Creek near Needmore, Pa.	39.898	-78.132	10.7	N

16 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania
Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

 [Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
01614000	Back Creek near Jones Springs, W.Va.	39.512	-78.037	235	N
01614090	Conococheague Creek near Fayetteville, Pa.	39.930	-77.439	5.05	N
01614500	Conococheague Creek at Fairview, Md.	39.716	-77.825	494	N
01616500	Opequon Creek near Martinsburg, W.Va.	39.424	-77.939	273	N
01617000	Tuscarora Creek above Martinsburg, W.Va.	39.470	-77.971	11.3	N
01617800	Marsh Run at Grimes, Md.	39.515	-77.777	18.9	N
01618000	Potomac River at Shepherdstown, W.Va.	39.435	-77.801	5,939	N
01619000	Antietam Creek near Waynesboro, Pa.	39.716	-77.607	93.5	N
01619500	Antietam Creek near Sharpsburg, Md.	39.450	-77.730	281	LF
01637500	Catoctin Creek near Middletown, Md.	39.427	-77.556	66.9	N
01639000	Monocacy River at Bridgeport, Md.	39.679	-77.235	173	N
01639140	Piney Creek near Taneytown, Md.	39.661	-77.221	31.3	N
01639500	Big Pipe Creek at Bruceville, Md.	39.612	-77.237	102	N
01640500	Owens Creek at Lantz, Md.	39.677	-77.464	5.93	N
01640965	Hunting Creek near Foxville, Md.	39.620	-77.466	2.14	N
01640970	Hunting Creek Tributary near Foxville, Md.	39.628	-77.462	4.01	N
01641000	Hunting Creek at Jimtown, Md.	39.594	-77.397	18.4	LF
01641500	Fishing Creek near Lewistown, Md.	39.527	-77.467	7.29	N
01642500	Linganore Creek near Frederick, Md.	39.415	-77.333	82.3	LF
01643000	Monocacy River at Jug Bridge near Frederick, Md.	39.403	-77.366	817	N
01643500	Bennett Creek at Park Mills, Md.	39.294	-77.407	62.8	N
03007800	Allegheny River at Port Allegany, Pa.	41.819	-78.293	248	N
03008000	Newell Creek near Port Allegany, Pa.	41.895	-78.349	7.79	N
03009680	Potato Creek at Smethport, Pa.	41.810	-78.430	160	N
03010500	Allegheny River at Eldred, Pa.	41.963	-78.386	550	N
03010655	Oswayo Creek at Shinglehouse, Pa.	41.962	-78.198	98.7	N
03011020	Allegheny River at Salamanca, N.Y.	42.156	-78.715	1,608	N
03011800	Kinzua Creek near Guffey, Pa.	41.766	-78.719	38.8	N
03012550	Allegheny River at Kinzua Dam, Pa.	41.841	-79.012	2,180	Y
03013000	Conewango Creek at Waterboro, N.Y.	42.171	-79.069	290	N
03014500	Chadakoin River at Falconer, N.Y.	42.113	-79.204	194	Y
03015000	Conewango Creek at Russell, Pa.	41.938	-79.133	816	Y
03015280	Jackson Run near North Warren, Pa.	41.903	-79.238	12.8	N
03015500	Brokenstraw Creek at Youngsville, Pa.	41.853	-79.317	321	N
03016000	Allegheny River at West Hickory, Pa.	41.571	-79.408	3,660	Y
03017500	Tionesta Creek at Lynch, Pa.	41.602	-79.050	233	N
03020000	Tionesta Creek at Tionesta Creek Dam, Pa.	41.478	-79.444	479	Y
03020500	Oil Creek at Rouseville, Pa.	41.482	-79.695	283	N
03021350	French Creek near Wattsburg, Pa.	42.015	-79.783	92.0	N
03021410	West Branch French Creek near Lowville, Pa.	42.082	-79.850	52.3	N
03021500	French Creek at Carters Corners, Pa.	41.956	-79.877	208	N
03021520	French Creek near Union City, Pa.	41.908	-79.897	221	Y
03022540	Woodcock Creek at Blooming Valley, Pa.	41.691	-80.048	31.1	N
03022554	Woodcock Creek at Woodcock Creek Dam, Pa.	41.696	-80.108	45.6	Y
03023100	French Creek at Meadville, Pa.	41.633	-80.160	788	Y

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
03024000	French Creek at Utica, Pa.	41.438	-79.956	1,028	Y
03025000	Sugar Creek at Sugarcreek, Pa.	41.429	-79.880	166	N
03025500	Allegheny River at Franklin, Pa.	41.390	-79.820	5,982	Y
03026500	Sevenmile Run near Rasselas, Pa.	41.631	-78.577	7.84	N
03027500	East Branch Clarion River at East Branch Clarion River Dam, Pa.	41.553	-78.596	73.2	Y
03028000	West Branch Clarion River at Wilcox, Pa.	41.575	-78.692	63.0	N
03028500	Clarion River at Johnsonburg, Pa.	41.486	-78.678	204	Y
03029500	Clarion River at Cooksburg, Pa.	41.331	-79.209	807	LF
03030500	Clarion River near Piney, Pa.	41.193	-79.440	951	Y
03031500	Allegheny River at Parker, Pa.	41.101	-79.681	7,671	Y
03031950	Big Run nr Sprinkle Mills, Pa.	40.992	-79.090	7.38	N
03032500	Redbank Creek at St. Charles, Pa.	40.995	-79.394	528	N
03034000	Mahoning Creek at Punxsutawney, Pa.	40.939	-79.008	158	N
03034500	Little Mahoning Creek at McCormick, Pa.	40.836	-79.110	87.4	N
03036000	Mahoning Creek at Mahoning Creek Dam, Pa.	40.928	-79.291	344	Y
03036500	Allegheny River at Kittanning, Pa.	40.820	-79.531	8,973	Y
03038000	Crooked Creek at Idaho, Pa.	40.655	-79.349	191	LF
03039000	Crooked Creek at Crooked Creek Dam near Ford City, Pa.	40.720	-79.511	278	Y
03039200	Clear Run near Buckstown, Pa.	40.047	-78.833	3.68	N
03039925	North Fork Bens Creek at North Fork Reservoir, Pa.	40.266	-79.017	3.45	N
03040000	Stonycreek River at Ferndale, Pa.	40.286	-78.921	451	N
03041000	Little Conemaugh River at East Conemaugh, Pa.	40.346	-78.883	183	N
03041500	Conemaugh River at Seward, Pa.	40.419	-79.026	715	N
03042000	Blacklick Creek at Josephine, Pa.	40.473	-79.183	192	N
03042200	Little Yellow Creek near Strongstown, Pa.	40.563	-78.945	7.36	N
03042280	Yellow Creek near Homer City, Pa.	40.573	-79.103	57.4	Y
03042500	Two Lick Creek at Graceton, Pa.	40.517	-79.172	171	Y
03043000	Blacklick Creek at Black Lick, Pa.	40.474	-79.204	390	N
03044000	Conemaugh River at Tunnelton, Pa.	40.455	-79.391	1,358	Y
03045000	Loyalhanna Creek at Kingston, Pa.	40.293	-79.341	172	N
03045500	Loyalhanna Creek at New Alexandria, Pa.	40.395	-79.432	265	N
03047000	Loyalhanna Creek at Loyalhanna Dam, Pa.	40.459	-79.449	290	Y
03047500	Kiskiminetas River at Avonmore, Pa.	40.535	-79.465	1,723	N
03048500	Kiskiminetas River at Vandergrift, Pa.	40.605	-79.552	1,825	Y
03049000	Buffalo Creek near Freeport, Pa.	40.716	-79.699	137	N
03049500	Allegheny River at Natrona, Pa.	40.615	-79.718	11,410	Y
03049800	Little Pine Creek near Etna, Pa.	40.520	-79.938	5.78	N
03061500	Buffalo Creek at Barrackville, W.Va.	39.504	-80.172	116	N
03062400	Cobun Creek at Morgantown, W.Va.	39.608	-79.955	11.0	N
03062500	Deckers Creek at Morgantown, W.Va.	39.629	-79.953	63.2	N
03065000	Dry Fork at Hendricks, W.Va.	39.072	-79.623	349	N
03066000	Blackwater River at Davis, W.Va.	39.127	-79.468	85.9	N
03068800	Shavers Fork below Bowden, W.Va.	38.913	-79.770	151	N
03069000	Shavers Fork at Parsons, W.Va.	39.096	-79.677	213	N
03069500	Cheat River near Parsons, W.Va.	39.123	-79.681	722	N

18 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
03070000	Cheat River at Rowlesburg, W.Va.	39.346	-79.665	939	N
03070420	Stony Fork Tributary near Gibbon Glade, Pa.	39.764	-79.587	.93	N
03070500	Big Sandy Creek at Rockville, W.Va.	39.616	-79.705	200	N
03072000	Dunkard Creek at Shannopin, Pa.	39.759	-79.971	229	N
03072655	Monongahela River near Masontown, Pa.	39.825	-79.923	4,440	Y
03072840	Tenmile Creek near Clarksville, Pa.	39.998	-80.042	133	N
03073000	South Fork Tenmile Creek at Jefferson, Pa.	39.923	-80.073	180	N
03074300	Lick Run at Hopwood, Pa.	39.868	-79.694	3.80	N
03074500	Redstone Creek at Waltersburg, Pa.	39.980	-79.764	73.7	N
03075070	Monongahela River at Elizabeth, Pa.	40.262	-79.901	5,340	Y
03075500	Youghiogheny River near Oakland, Md.	39.422	-79.424	134	N
03076500	Youghiogheny River at Friendsville, Md.	39.654	-79.408	295	LF
03076600	Bear Creek at Friendsville, Md.	39.656	-79.394	48.9	N
03077500	Youghiogheny River at Youghiogheny River Dam, Pa.	39.805	-79.364	436	Y
03078000	Casselman River at Grantsville, Md.	39.702	-79.136	62.5	N
03078500	Big Piney Run near Salisbury, Pa.	39.726	-79.048	24.5	N
03079000	Casselman River at Markleton, Pa.	39.860	-79.228	382	N
03080000	Laurel Hill Creek at Ursina, Pa.	39.820	-79.321	121	N
03081000	Youghiogheny River below Confluence, Pa.	39.828	-79.373	1,029	Y
03082200	Poplar Run near Normalville, Pa.	40.016	-79.426	9.27	N
03082500	Youghiogheny River at Connellsville, Pa.	40.018	-79.594	1,326	Y
03083000	Green Lick Run at Green Lick Reservoir, Pa.	40.105	-79.500	3.07	N
03083500	Youghiogheny River at Sutersville, Pa.	40.240	-79.806	1,715	Y
03084000	Abers Creek near Murrysville, Pa.	40.450	-79.714	4.39	N
03085000	Monongahela River at Braddock, Pa.	40.391	-79.858	7,337	Y
03085500	Chartiers Creek at Carnegie, Pa.	40.401	-80.096	257	N
03086000	Ohio River at Sewickley, Pa.	40.549	-80.206	19,500	Y
03086500	Mahoning River at Alliance, Ohio	40.933	-81.095	89.2	N
03090500	Mahoning River bl Berlin Dam nr Berlin Center, Ohio	41.048	-81.001	248	Y
03091500	Mahoning River at Pricetown, Ohio	41.131	-80.971	273	Y
03092000	Kale Creek near Pricetown, Ohio	41.140	-80.995	21.9	N
03092090	West Branch Mahoning River near Ravenna, Ohio	41.161	-81.197	21.8	N
03092460	West Branch Mahoning River at Wayland, Ohio	41.157	-81.072	81.7	Y
03092500	West Branch Mahoning River near Newton Falls, Ohio	41.172	-81.021	96.3	Y
03093000	Eagle Creek at Phalanx Station, Ohio	41.261	-80.954	97.6	N
03094000	Mahoning River at Leavittsburg, Ohio	41.239	-80.881	575	Y
03095500	Mosquito Creek below Mosquito Creek Dam near Cortland, Ohio	41.300	-80.758	97.5	Y
03097550	Mahoning River at Ohio Edison P Plt at Niles, Ohio	41.173	-80.757	854	Y
03098000	Mahoning River at Youngstown, Ohio	41.111	-80.673	898	Y
03098500	Mill Creek at Youngstown, Ohio	41.072	-80.690	66.3	N
03098600	Mahoning River below West Ave at Youngstown, Ohio	41.105	-80.663	978	Y
03099500	Mahoning River at Lowellville, Ohio	41.037	-80.536	1,073	Y
03100000	Shenango River near Turnersville, Pa.	41.513	-80.471	152	N
03101500	Shenango River at Pymatuning Dam, Pa.	41.498	-80.460	167	Y
03102000	Shenango River near Jamestown, Pa.	41.458	-80.425	181	Y

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued[Latitude and Longitude in decimal degrees; mi², square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi ²)	Regulated ¹
03102500	Little Shenango River at Greenville, Pa.	41.422	-80.376	104	N
03102850	Shenango River near Transfer, Pa.	41.354	-80.398	337	Y
03102950	Pymatuning Creek at Kinsman, Ohio	41.443	-80.588	96.7	N
03103000	Pymatuning Creek near Orangeville, Pa.	41.311	-80.478	169	N
03103500	Shenango River at Sharpsville, Pa.	41.266	-80.473	584	Y
03104000	Shenango River at Sharon, Pa.	41.232	-80.510	608	N
03104500	Shenango River at New Castle, Pa.	41.000	-80.356	792	Y
03104760	Harthegig Run near Greenfield, Pa.	41.186	-80.327	2.26	N
03105500	Beaver River at Wampum, Pa.	40.889	-80.337	2,235	Y
03106000	Connoquenessing Creek near Zelienople, Pa.	40.817	-80.242	356	N
03106300	Muddy Creek near Portersville, Pa.	40.963	-80.125	51.2	Y
03106500	Slippery Rock Creek at Wurtemburg, Pa.	40.884	-80.234	398	Y
03107500	Beaver River at Beaver Falls, Pa.	40.763	-80.315	3,106	Y
03108000	Raccoon Creek at Moffatts Mill, Pa.	40.628	-80.338	178	LF
03109500	Little Beaver Creek near East Liverpool, Ohio	40.676	-80.541	496	N
03110000	Yellow Creek near Hammondsville, Ohio	40.538	-80.725	147	N
03111150	Brush Run near Buffalo, Pa.	40.198	-80.408	10.3	N
03111500	Short Creek near Dillonvale, Ohio	40.193	-80.734	123	N
03111534	Ohio River at Martins Ferry, Ohio	40.105	-80.708	24,620	N
03111548	Wheeling Creek below Blaine, Ohio	40.067	-80.808	97.7	N
03112000	Wheeling Creek at Elm Grove, W.Va.	40.045	-80.661	281	Y
03114000	Captina Creek at Armstrongs Mills, Ohio	39.909	-80.924	134	N
04209000	Chagrin River at Willoughby, Ohio	41.631	-81.403	246	N
04212500	Ashtabula River near Ashtabula, Ohio	41.856	-80.762	121	N
04213000	Conneaut Creek at Conneaut, Ohio	41.927	-80.604	175	N
04213040	Raccoon Creek near West Springfield, Pa.	41.945	-80.447	2.53	N
04213075	Brandy Run near Girard, Pa.	41.992	-80.291	4.45	N
04221000	Genesee River at Wellsville, N.Y.	42.122	-77.957	288	N
04223000	Genesee River at Portageville, N.Y.	42.570	-78.042	984	N
04224775	Canaseraga Creek above Dansville, N.Y.	42.536	-77.704	88.9	N
04227000	Canaseraga Creek at Shakers Crossing, N.Y.	42.737	-77.841	335	N

¹Refers to regulation of streamflow during period of record of streamgage; N, no regulation during period of record; Y, regulation during period of record; LF, regulation for low flows during period of record.

20 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.

[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01411456	1989–2008	20	0.4	0.4	1.0	0.6	1.4	0.8
01411500	1934–2008	75	30.9	36.2	59.3	43.3	69.1	55.0
01412000	1933–1984	31	3.6	7.2	12.7	11.4	17.4	14.2
01412800	1979–2008	14	13.0	14.3	17.8	15.9	20.0	18.9
01413500	1938–2008	71	9.6	10.6	20.9	13.3	28.0	20.9
01414000	1943–2008	31	1.4	1.6	3.4	2.4	5.0	3.9
01414500	1938–2008	71	2.0	2.2	4.2	2.7	5.5	4.1
01415000	1938–2008	71	1.3	1.5	3.6	2.3	5.3	3.8
01417000	² 1956–2008	53	3.1	4.1	9.8	5.1	12.7	6.3
01417000	³ 1943–1954	12	22.5	24.5	51.1	34.1	69.5	58.3
01417500	² 1956–2008	42	32.0	35.9	61.0	47.8	79.2	82.8
01417500	³ 1936–1954	19	31.1	32.8	62.9	42.5	84.3	74.0
01420000	1926–1981	56	1.7	2.0	3.7	2.6	5.0	4.1
01420500	1915–2008	94	34.0	36.7	63.4	45.9	80.5	65.5
01421000	² 1956–2008	53	106	120	178	143	220	212
01421000	³ 1915–1954	40	80.9	88.5	158	118	211	193
01421900	1938–2008	44	6.2	6.9	14.6	8.9	20.3	13.4
01422500	1939–2008	43	1.6	1.9	4.3	2.8	6.6	4.4
01423000	1952–2008	57	20.6	22.3	42.5	27.6	56.6	38.7
0142400103	1954–2008	25	.3	.3	.9	.4	1.4	.9
01425000	² 1965–2008	44	8.1	8.9	18.9	10.8	25.3	15.3
01425000	³ 1953–1963	10	29.9	32.4	49.7	45.1	66.1	58.8
01425675	1971–1981	11	.2	.3	.4	.4	.7	.6
01426000	1942–1973	32	1.4	1.6	3.5	2.5	5.5	4.6
01426500	² 1965–2008	44	38.0	49.3	92.4	82.6	168	129
01426500	³ 1914–1963	50	38.9	43.1	75.3	55.5	107	93.8
01427500	1942–1982	41	5.9	6.4	13.1	8.5	17.8	13.2
01427510	² 1977–2008	32	380	497	674	640	859	876
01428500	1942–2008	67	256	305	663	411	845	603
01428750	1988–2008	21	4.7	5.3	8.8	6.4	11.7	8.2
01429000	² 1962–2008	47	3.9	4.9	11.3	7.1	14.3	10.2
01429000	³ 1946–1960	15	5.5	6.3	11.2	9.0	14.1	13.3
01429500	² 1961–2008	48	2.6	3.3	8.0	4.7	11.6	7.4
01429500	³ 1945–1959	15	2.4	2.9	6.2	4.5	8.5	7.2
01430000	² 1961–2008	31	10.8	12.0	24.3	15.6	32.5	21.7
01430000	³ 1950–1959	10	13.4	14.1	24.5	18.5	31.3	26.9
01430500	1924–1938	15	17.7	23.7	36.0	29.8	48.5	43.1
01431000	1947–1960	14	2.6	3.1	6.2	4.2	8.8	8.1
01431500	³ 1910–1959	28	—	17.9	36.5	26.0	47.4	37.2
01431500	² 1961–2008	48	20.7	22.8	42.7	28.3	55.8	39.9
01432000	³ 1911–1925	15	8.1	22.3	51.6	35.1	59.4	46.3
01433500	1941–1995	55	14.3	19.3	41.2	36.8	81.6	73.8
01434000	1906–2008	103	410	545	1,070	685	1,320	950
0143400680	1992–2008	17	2.3	2.6	4.7	3.3	5.9	5.3
01434017	1993–2008	16	5.7	6.4	10.8	8.2	14.5	12.7

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01434021	1992–2008	17	.1	.1	.2	.1	.3	.3
01434025	1985–2008	24	.3	.4	1.0	.6	1.5	1.2
01434498	1993–2008	16	7.0	7.4	15.2	9.4	19.5	15.2
01435000	1939–2008	67	12.2	13.5	24.9	17.3	31.8	25.4
01436000	² 1955–2008	54	1.0	1.9	8.1	3.8	8.6	4.6
01436000	³ 1943–1953	11	18.3	19.9	33.6	25.2	43.4	42.2
01436500	² 1955–1993	34	11.6	13.7	20.4	16.9	26.4	24.3
01436500	³ 1939–1953	15	20.4	22.0	37.4	29.1	49.2	44.4
01436690	1994–2008	15	30.4	35.0	61.5	44.1	82.4	58.9
01437500	² 1955–2008	54	47.4	54.6	87.6	72.3	112	98.8
01437500	³ 1939–1953	15	37.2	44.7	76.0	57.2	98.8	84.6
01438500	1941–2008	68	648	887	1,460	1,050	1,700	1,310
01439500	1910–2008	99	6.6	7.5	18.6	10.3	26.4	17.5
01440000	1925–2008	84	6.6	7.4	13.2	9.2	17.0	12.8
01440200	1966–1995	30	1,030	1,200	1,830	1,440	2,110	1,660
01440400	1959–2008	50	6.9	7.4	13.5	9.1	18.1	12.3
01441000	1913–1938	26	13.3	16.2	24.3	19.1	29.8	23.3
01442500	1952–2008	57	44.7	48.4	80.6	57.0	100	73.6
01443280	1994–2008	15	2.0	2.6	6.9	3.0	8.1	4.4
01443500	1923–2008	84	11.6	16.2	28.3	20.3	36.8	26.8
01443900	1968–2008	41	.2	.6	1.0	.9	1.4	1.1
01445000	1941–2008	27	1.9	2.1	5.3	2.8	7.2	4.8
01445500	1923–2008	86	18.2	19.5	33.5	22.0	39.0	27.2
01446000	1924–2008	42	1.9	2.1	5.1	2.6	6.8	4.2
01446500	1924–2008	85	864	1,080	1,740	1,260	2,020	1,580
01446600	1963–1978	16	.1	.1	.7	.2	1.1	.4
01447500	1945–2008	64	11.8	13.1	24.8	16.5	33.1	24.5
01447680	² 1971–2008	38	3.2	3.6	7.6	4.9	10.6	8.1
01447720	³ 1963–1985	23	—	28	43.3	34.1	58.8	43.2
01447720	² 1987–2008	22	26.0	28.9	49.2	37.3	68.2	51.8
01447800	1959–2008	50	39.5	46.8	81.4	62.4	124	94.1
01448000	1918–1959	41	49.0	66.7	108	79.0	136	116
01448500	1950–1996	47	.4	.4	.8	.5	1.0	.7
01449000	1984–2008	25	135	148	237	180	315	236
01449360	1968–2008	41	14.4	15.1	23.7	17.3	27.7	21.7
01449800	1969–2008	40	14.2	16.5	31.0	19.9	38.1	29.4
01450500	1941–2008	68	15.1	17.0	29.3	20.0	35.6	26.7
01451000	² 1962–2008	47	185	203	337	252	430	322
01451000	³ 1948–1960	13	203	213	311	253	391	343
01451500	1947–2008	62	27.6	28.8	43.4	32.0	48.1	35.4
01451650	1988–2008	21	29.8	36.2	52.7	41.9	60.7	50.0
01451800	1967–2008	42	1.7	2.2	7.0	3.7	11.0	7.5
01452000	1946–2008	63	3.0	3.0	12.0	4.4	13.9	7.6
01452500	1950–2008	59	12.1	13.2	22.9	14.8	25.9	16.8
01453000	² 1929–2008	81	340	371	579	439	702	546

22 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued

[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01453000	³ 1904–1927	18	237	312	447	378	546	472
01454700	1968–2005	38	471	510	745	600	902	760
01455500	1930–2008	52	0	.4	7.8	—	—	6.0
01457000	1905–2008	89	40.6	45.6	70.5	52.2	81.7	62.5
01459500	² 1975–2008	34	1.9	2.1	4.1	2.9	7.1	5.7
01459500	³ 1937–1973	37	.4	.9	2.1	1.3	3.6	2.9
01463500	1914–2008	95	1,540	1,720	2,700	1,960	3,120	2,430
01463620	1974–2008	19	2.4	2.7	7.6	4.8	10.6	8.6
01464000	1925–2008	84	9.4	14.2	25.7	18.7	34.2	29.3
01464500	1942–2008	65	16.4	18.9	34.0	24.4	42.3	37.3
01464645	1987–2008	22	3.3	3.6	12.3	4.4	13.6	5.4
01464720	1992–2008	17	3.0	3.6	5.8	4.5	7.3	6.2
01465000	1886–1934	28	—	3.4	10.1	4.9	15.0	12.9
01465500	1936–2008	73	9.0	12.7	26.4	17.3	37.4	28.6
01465770	1966–1982	16	.3	.4	1.2	.8	1.7	1.7
01465798	1967–2008	42	1.0	1.2	3.6	3.0	6.8	7.9
01465850	1963–2008	19	5.2	8.5	13.2	12.1	19.5	17.1
01466500	1955–2008	54	.8	.8	1.1	.9	1.2	.9
01467000	1923–2008	86	26.2	34.2	51.8	41.6	63.2	53.2
01467042	1966–1981	16	8.6	9.3	16.8	11.3	21.5	17.0
01467048	1967–2008	42	10.7	12.1	18.9	16.6	27.2	26.6
01467050	1967–1981	15	.3	.4	.8	.7	1.3	1.6
01467081	1969–2008	38	2.4	2.9	4.1	3.9	6.0	6.3
01467086	1967–1988	23	3.3	4.4	6.9	6.6	9.9	10.4
01467087	1984–2008	25	1.6	2.1	6.1	4.8	10.1	12.0
01467089	1968–1982	15	4.8	6.6	9.6	10.3	16.0	20.1
01467150	1965–2008	44	3.9	5.4	10.1	7.3	13.2	11.5
01467500	1945–1969	25	14.6	17.2	24.5	19.8	28.5	23.4
01468500	1949–2008	40	40.8	44.5	70.6	52.1	82.4	65.0
01469500	1921–2008	88	4.8	5.5	10.9	7.3	14.4	10.1
01470500	1949–2008	60	69.2	82.3	137	102	164	133
01470756	1974–1995	22	14.8	16.7	30.5	23.4	43.9	35.5
01470779	1976–2008	33	21.9	24.6	39.3	29.4	45.2	34.8
01470853	1984–2005	22	.2	.4	1.2	.8	1.6	1.1
01470960	² 1980–2008	29	29.4	31.8	52.4	47.0	74.7	66.3
01470960	³ 1967–1978	12	32.7	38.2	74.0	47.6	88.3	59.5
01471000	² 1980–2008	29	36.9	43.4	69.4	58.9	93.9	81.0
01471000	³ 1952–1978	27	41.8	47.6	77.1	55.3	91.2	68.6
01471510	² 1980–2008	29	222	244	347	274	422	340
01471510	³ 1916–1930	10	142	173	279	206	337	245
01471875	1995–2008	14	10.9	11.8	21.2	14.1	25.3	19.0
01471980	1976–2004	29	16.5	17.8	29.2	21.7	34.9	29.7
01472000	² 1980–2008	29	276	301	432	349	527	453
01472000	³ 1929–1978	50	228	258	411	298	486	374
01472157	1970–2008	39	9.5	10.2	17.2	12.5	21.8	17.0

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01472174	1969–1984	16	1.2	1.5	2.4	1.8	3.1	2.7
01472198	1983–2008	26	7.1	7.5	12.9	9.6	15.4	13.9
01472199	1983–2008	26	3.8	4.3	6.8	5.1	8.3	7.2
01472500	1886–1913	28	—	14.5	24.0	20.6	34.9	33.2
01472620	1985–2008	24	0	0	7.2	.1	7.3	.5
01472810	1992–2008	15	12.9	18.8	36.0	33.7	49.2	49.8
01473000	³ 1916–1956	41	9.5	14.8	32.1	24.1	44.7	41.4
01473000	² 1958–2008	51	28.5	33.9	61.6	42.5	77.4	53.3
01473120	1968–1994	27	1.4	1.9	4.4	3.2	6.8	5.6
01473169	1984–2008	25	8.5	9.2	13.2	10.5	15.5	13.2
01473500	1929–2008	9	182	220	422	247	518	328
01473900	1963–2008	14	5.2	6.1	11.3	7.6	14.2	9.9
01473950	1967–1981	15	9.1	11.1	19.1	14.5	24.0	19.7
01474000	1967–2008	42	13.7	16.6	25.6	21.4	32.9	30.4
01474500	1933–2008	76	58.7	108	376	180	515	320
01475000	1942–2006	37	3.5	4.1	6.1	4.8	7.0	5.7
01475300	1974–1997	24	1.0	1.2	2.1	1.6	2.9	2.4
01475510	1965–1990	26	9.3	11.5	18.8	15.5	24.2	22.6
01475530	1966–1981	19	1.2	1.3	2.0	1.8	2.8	2.7
01475550	1965–1990	25	.1	.6	4.4	2.9	8.5	8.9
01475850	1983–2008	26	1.5	2.2	4.6	3.4	6.5	5.4
01476480	1988–2008	19	2.3	3.5	8.5	5.8	11.5	9.0
01476500	1933–1954	22	3.9	4.9	11.4	6.4	14.4	9.7
01477000	1933–2007	73	10.4	12.4	24.9	15.7	31.0	22.8
01477120	1967–2008	42	6.5	7.1	12.9	8.5	15.0	11.2
01477800	1947–2008	62	.2	.2	.6	.5	1.2	1.4
01478000	1944–2008	65	.6	1.5	3.6	2.3	5.0	4.2
01478500	1953–1979	23	9.8	10.7	24.1	13.5	29.1	19.7
01479000	1933–2008	65	12.3	13.7	30.3	18.0	36.8	27.8
01479820	1989–2008	20	3.2	4.1	12.5	5.6	14.6	10.8
01480000	1944–2008	65	8.5	9.8	17.7	12.6	21.1	17.6
01480015	1990–2008	19	9.0	11.0	20.1	14.7	24.5	18.4
01480100	1965–1980	16	.3	.4	1.2	1.2	2.0	2.3
01480300	1962–2008	47	2.6	3.0	6.2	3.9	7.4	5.3
01480500	³ 1945–1993	30	7.3	8.3	14.5	10.4	18.4	14.5
01480500	² 1995–2008	14	4.8	5.2	12.3	6.6	14.8	9.6
01480617	1971–2008	38	12.1	14.0	23.3	16.6	27.8	22.0
01480675	1968–2008	41	.6	.6	1.7	.9	2.3	1.6
01480685	1975–2008	34	.5	.9	3.7	2.4	7.4	5.7
01480700	² 1975–2008	34	12.3	14.0	22.3	17.8	28.4	21.9
01480800	1960–1968	9	11.5	12.1	19.8	14.6	23.8	19.5
01480870	1973–2008	36	24.0	26.5	36.8	31.0	44.5	38.0
01481000	³ 1913–1973	51	—	68.5	117	79.0	136	102
01481000	² 1975–2008	34	60.0	63.8	117	76.9	138	106
01481500	² 1975–2008	34	64.2	68.3	128	84.5	154	117

24 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued

[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01481500	³ 1948–1973	26	64.5	70.5	115	83.5	138	111
01482500	1941–2008	47	0	.7	2.6	1.5	4.8	3.4
01483200	1958–2008	51	<.1	.1	.3	.1	.6	.3
01483700	1959–2008	50	.3	.7	2.2	1.2	4.3	3.6
01484000	1933–2008	27	1.4	1.7	2.7	2.0	3.3	2.7
01484100	1960–2008	49	.2	.3	.9	.4	1.0	.5
01484270	1973–2005	11	4.0	4.3	7.2	4.6	7.6	5.4
⁴ 01493000	1949–2008	56	.7	—	—	5.1	8.4	6.3
⁴ 01493500	1953–2008	54	1.5	1.7	3.4	2.1	4.1	2.9
⁴ 01495000	1933–2008	76	7.7	8.7	19.4	11.1	23.2	16.3
⁴ 01496000	1950–1984	35	2.3	2.7	5.5	3.4	6.8	5.0
⁴ 01496200	1969–1992	24	1.2	1.3	2.5	1.7	3.0	2.6
01496500	1931–1995	59	3.3	3.7	9.4	4.9	13.6	7.8
01500000	² 1951–2008	58	2.7	4.1	9.3	5.6	13.6	9.1
01500500	1940–2008	57	71.1	82.9	139	101	179	138
01502000	1940–1995	56	2.4	4.4	7.8	5.3	9.9	7.1
01502500	1931–2008	68	43.6	46.6	78.6	56.1	100	72.8
01503000	1914–2008	95	170	188	327	223	418	311
01505000	1940–2008	60	21.5	23.7	41.0	28.3	51.6	37.8
01508803	1968–1986	14	12.2	13.8	21.7	17.5	27.4	21.9
01509000	1940–2008	67	31.0	33.9	59.4	39.8	70.8	49.4
01510000	1940–2008	63	7.9	8.9	17.4	11.8	23.6	17.1
01512500	1914–2008	95	127	137	235	169	297	225
01515000	1938–2008	65	374	396	660	478	840	654
01516350	1978–2008	31	8.7	9.4	16.2	11.4	21.1	15.9
01516500	1956–2008	53	0	<.1	.3	.1	.5	.3
01518000	² 1979–2008	30	21.4	24.2	39.1	26.0	43.9	29.6
01518000	³ 1940–1977	38	7.5	8.8	17.7	10.9	23.6	16.5
01518700	² 1981–2008	28	26.3	28.8	47.8	31.8	53.6	36.5
01518862	1985–2008	24	.9	1.2	3.4	2.0	5.2	4.1
01520000	² 1981–2008	28	7.6	8.1	16.0	10.0	20.2	12.4
01520000	³ 1953–1978	26	1.7	2.2	7.0	3.4	11.3	6.2
01520500	² 1981–1995	15	37.4	41.5	72.7	44.5	80.5	53.6
01520500	³ 1931–1979	49	14.3	16.2	37.3	20.8	51.8	32.5
01521500	² 1941–2008	68	.6	.7	1.4	.8	1.8	1.2
01523500	² 1950–2008	59	2.0	3.4	7.4	5.8	9.2	7.0
01524500	1944–2008	65	11.3	12.9	20.1	15.2	24.4	17.8
01526500	² 1980–2008	29	69.5	73.7	116	87.4	145	103
01526500	³ 1920–1978	59	34.8	38.5	72.6	48.6	99.4	70.3
01527000	1952–1981	30	2.7	3.1	6.2	4.3	7.5	5.9
01527500	1940–2008	12	12.2	13.2	25.9	14.8	33.9	18.5
01528000	1938–1995	58	.6	.7	2.2	1.0	2.9	1.6
01529000	1938–1982	45	.6	.7	2.1	1.1	2.5	1.7
01529500	1920–2008	89	20.3	23.5	42.7	28.4	52.5	38.4
01529950	² 1980–2008	29	116	121	185	142	235	168

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
01530500	1940–2008	69	5.0	6.1	11.0	7.6	13	9.0
01531000	² 1981–2008	28	138	147	237	169	296	203
01531000	³ 1905–1979	68	86.3	97.0	175	116	219	161
01531500	² 1981–2008	28	550	592	1,030	733	1,340	952
01531500	³ 1915–1979	65	539	571	990	675	1,230	928
01532000	1915–2008	94	2.2	2.8	9.7	4.6	14.4	9.4
01532850	1967–1979	13	.1	.2	.4	.3	.8	.7
01533400	² 1981–2008	28	602	648	1,110	790	1,430	1,060
01533500	1942–1958	17	.4	.6	1.5	.8	2.0	1.7
01533950	1962–1978	17	.2	.3	1.0	.6	1.4	1.0
01534000	1915–2008	94	15.2	17.3	35.9	24.2	51.0	38.7
01534300	1960–2008	49	1.1	1.7	5.1	2.8	7.6	4.8
01534500	² 1961–2008	48	16.7	18.8	29.2	21.9	35.8	27.6
01534500	³ 1941–1959	19	18.8	23.0	33.3	25.6	39.2	34.9
01536000	² 1961–2008	48	28.7	32.7	51.7	40.8	68.1	54.3
01536000	³ 1940–1959	20	77.8	93.9	119	105	138	124
01536500	² 1981–2008	28	828	872	1,450	1,030	1,830	1,350
01536500	³ 1901–1979	79	778	811	1,350	927	1,640	1,260
01537000	1943–1993	51	1.3	2.0	4.9	3.1	6.4	4.7
01537500	1941–1990	50	.2	.3	1.9	.5	3.1	1.6
01538000	1921–2008	88	3.1	3.6	7.1	5.0	9.3	7.5
01539000	1940–2008	69	15.4	16.8	36.8	21.1	51.1	36.8
01539500	1942–1958	17	.1	.3	1.4	1.0	3.3	2.3
01540200	1965–1981	17	0	0	.3	.1	.3	.1
01540500	² 1981–2008	28	1,080	1,120	1,870	1,320	2,330	1,690
01540500	³ 1906–1979	74	927	978	1,660	1,160	2,050	1,590
01541000	1915–2008	94	25.3	27.9	50.7	35.3	66.6	49.6
01541200	² 1967–2008	40	34.6	45.2	66.0	63.1	100	92.4
01541200	³ 1957–1965	9	22.9	24.7	44.7	27.7	58.2	36.4
01541303	1980–2008	29	53.4	58.5	94.0	74.4	123	102
01541308	1969–1979	11	1.3	1.3	1.9	1.6	2.4	2.1
01541500	² 1962–2008	47	39.0	41.9	66.5	51.9	86.3	70.6
01541500	³ 1915–1960	46	14.9	21.3	41.9	28.5	55.0	42.9
01542000	1942–1993	52	8.1	9.1	14.8	11.3	17.8	14.6
01542500	² 1967–2008	33	216	235	326	285	435	402
01542500	³ 1941–1965	20	—	131	189	152	243	221
01542810	1966–2008	43	.1	.1	.3	.2	.5	.3
01543000	1915–2008	94	2.9	4.2	16.0	9.6	27.4	19.2
01543500	1940–2008	69	10.7	14.5	44.9	26.6	74.9	50.5
01544000	² 1957–2008	52	3.3	6.9	19.0	11.2	31.1	19.0
01544500	1942–2008	67	4.2	4.9	12.5	7.5	17.4	11.7
01545000	² 1964–2008	45	6.8	8.2	21.2	12.0	32.7	20.7
01545500	² 1963–2008	46	217	238	446	306	629	428
01545500	³ 1909–1961	53	125	141	278	190	387	296
01545600	1966–2008	43	1.2	1.5	4.4	2.4	6.7	4.2

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01546000	1912–1934	17	1.8	2.2	6.8	3.7	12.1	11.2
01546400	1986–2008	23	13.5	14.0	19.6	15.4	22.3	18.7
01546500	1942–2008	67	26.8	29.0	41.3	31.2	44.2	33.7
01547100	1969–2008	40	102	105	128	111	133	117
01547200	1957–2008	52	99.4	101	132	106	142	115
01547500	² 1971–2008	38	28.2	109	151	131	172	153
01547500	³ 1956–1969	14	90.0	94.9	123	98.1	131	105
01547700	1957–2008	52	.5	.6	2.7	1.1	3.9	2.2
01547800	1971–1981	11	1.6	1.8	2.4	2.1	2.9	3.5
01547950	1970–2008	39	12.1	13.6	28.2	17.3	36.4	23.8
01548005	² 1971–2000	25	142	151	206	178	241	223
01548005	³ 1912–1969	58	105	114	147	125	165	140
01548500	1920–2008	89	21.2	24.2	50.1	33.6	68.6	49.3
01549000	1910–1920	11	26.0	32.9	78.0	46.4	106	89.8
01549500	1942–2008	67	.6	.8	2.5	1.4	3.9	2.6
01549700	1959–2008	50	33.3	37.2	83.8	51.2	117	78.4
01550000	1915–2008	94	6.6	7.6	16.8	11.2	24.6	18.6
01551500	² 1963–2008	46	520	578	1,020	678	1,330	919
01551500	³ 1901–1961	61	400	439	742	523	943	752
01552000	1927–2008	80	20.5	22.2	49.5	29.2	69.8	49.6
01552500	1942–2008	67	.9	1.2	3.1	1.7	4.4	3.3
01553130	1969–1981	13	1.0	1.1	1.5	1.3	1.8	1.7
01553500	² 1968–2008	41	760	838	1,440	1,000	1,850	1,470
01553500	³ 1941–1966	26	562	619	880	690	1,090	881
01553700	1981–2008	28	9.1	10.9	15.0	12.6	17.1	15.2
01554000	² 1981–2008	28	1,830	1,990	3,270	2,320	4,210	3,160
01554000	³ 1939–1979	41	1,560	1,630	2,870	1,880	3,620	2,570
01554500	1941–1993	53	16.2	22.0	31.2	25.9	35.7	31.4
01555000	1931–2008	78	33.5	37.6	58.8	43.4	69.6	54.6
01555500	1931–2008	78	4.9	6.5	18.0	9.4	24.3	16.6
01556000	1918–2008	91	43.3	47.8	66.0	55.1	75.0	63.7
01557500	1946–2008	63	2.8	3.2	6.3	4.2	8.1	5.8
01558000	1940–2008	69	56.3	59.0	79.8	65.7	86.2	73.7
01559000	1943–2008	66	104	177	249	198	279	227
01559500	1931–1958	28	9.3	10.5	15.0	12.4	17.8	15.8
01559700	1963–1978	16	.1	.1	.2	.1	.3	.2
01560000	1941–2008	68	8.5	9.4	15.6	12.0	20.2	16.2
01561000	1932–1958	27	.4	.5	1.6	.8	2.5	1.7
01562000	1913–2008	96	64.1	67.1	106	77.4	122	94.5
01562500	1931–1957	27	1.1	1.6	3.8	2.3	5.4	3.7
01563200	² 1974–2008	35	—	—	—	112	266	129
01563200	³ 1948–1972	25	10.3	28.2	86.1	64.5	113	95.5
01563500	² 1974–2008	35	384	415	519	441	580	493
01563500	³ 1939–1972	34	153	242	343	278	399	333
01564500	1940–2008	69	3.6	4.2	10.0	6.2	14.4	10.6

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01565000	1941–2008	37	17.6	18.6	28.6	20.3	32.4	24.4
01565700	1965–1981	17	.4	.4	.9	.5	1.1	.8
01566000	1913–2008	52	4.3	7.9	18.8	12.4	25.6	19.2
01566500	1932–1958	27	1.7	2.4	4.0	3.2	5.7	4.9
01567000	² 1974–2008	35	504	534	725	589	857	727
01567000	³ 1901–1972	72	311	367	571	439	704	547
01567500	1955–2008	54	2.0	2.2	3.3	2.6	3.8	3.1
01568000	1931–2008	78	12.7	15.5	25.5	19.2	32.0	26.0
01568500	² 1943–1997	55	1.8	2.3	4.3	2.7	5.0	3.1
01569000	1939–1974	14	2.6	4.0	7.4	5.1	9.4	7.8
01569800	1978–2008	31	15.9	17.0	24.4	18.4	26.1	20.3
01570000	³ 1913–1969	35	—	63.1	110	76.1	124	95.3
01570000	² 1971–2008	38	63.1	69.3	109	78.3	125	97.8
01570500	³ 1901–1972	72	2,310	2,440	4,000	2,830	4,950	3,850
01570500	² 1974–2008	35	3,020	3,200	5,180	3,690	6,490	4,960
01571000	1941–1995	16	.1	.2	.6	.3	1.2	.8
01571500	1911–2008	62	81.6	86.8	115	94.0	124	105
01572000	1921–1984	14	2.1	2.3	4.8	3.0	6.5	4.5
01572025	1990–2008	17	15.2	16.4	26.7	18.5	34.6	27.7
01572190	1990–2008	17	19.1	20.5	36.2	23.9	45.8	35.3
01573000	1920–2008	89	18.0	22.0	52.0	30.8	69.2	50.9
01573086	1965–1981	17	.5	.6	2.6	.8	3.3	1.1
01573160	1977–1994	18	26.9	29.6	46.4	33.6	51.9	39.5
01573500	1939–1958	20	1.3	1.4	2.5	1.8	3.2	2.6
01573560	1977–2008	30	50.3	62.0	104	76.9	131	108
01574000	1930–2008	79	8.0	11.1	32.0	17.7	47.0	33.9
01574500	² 1968–2008	41	14.2	24.0	35.9	29.4	42.0	33.3
01574500	³ 1930–1966	34	2.3	7.1	11.5	9.3	14.8	12.7
01575000	² 1973–1995	23	.7	1.4	6.7	3.2	12.0	9.3
01575000	³ 1929–1971	43	.1	.6	10.3	2.3	15.0	6.1
01575500	² 1948–1996	49	12.1	18.7	41.3	23.9	50.0	33.8
01576000	³ 1933–1972	40	2,100	2,420	4,160	2,960	5,130	4,100
01576000	² 1974–2008	35	2,990	3,270	5,680	3,980	7,180	5,540
01576085	1984–1995	12	.4	.5	.8	.7	1.2	1.2
01576500	1931–2008	78	27.2	38.6	79.4	49.1	97.3	66.1
01576754	1986–2008	23	74.2	84.9	151	106	189	147
⁴ 01578310	1969–2008	40	549	2,820	5,650	4,190	7,380	6,140
01578400	1964–1981	18	1.4	1.5	2.7	1.9	3.2	2.5
⁴ 01580000	1928–2008	81	19.7	22.8	48.1	28.1	51.8	35.4
⁴ 01581500	1946–2008	28	.2	.3	1.2	.8	1.7	1.5
⁴ 01581700	1969–2008	40	4.7	5.5	17.5	8.1	18.3	12.0
⁴ 01582000	1946–2008	63	11.3	12.5	25.0	15.5	28.0	20.3
⁴ 01582500	1979–2008	27	41.2	43.9	78.8	53.8	90.6	74.1
⁴ 01583000	1949–1981	33	.3	.3	.7	.3	1.0	.6
⁴ 01583100	1984–2008	15	2.1	2.4	5.5	3.2	6.0	4.2

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⁴ 01583500	1946–2008	63	9.6	10.7	24.0	13.4	26.9	17.5
⁴ 01583600	1984–2008	25	4.9	5.6	9.6	7.3	11.6	9.6
⁴ 01584050	1977–2008	32	1.5	1.6	3.3	1.9	3.7	2.5
⁴ 01584500	1928–2008	52	5.9	6.5	16.2	8.2	17.8	10.9
⁴ 01585095	1994–2008	15	0	0	.1	.1	.2	.4
⁴ 01585100	1960–2008	45	.3	.5	1.0	.9	1.7	2.3
⁴ 01585200	1959–2008	39	.1	—	—	.3	.6	.7
⁴ 01585300	1960–1989	28	.1	.1	.3	.3	.7	1.0
⁴ 01585400	1960–1987	28	.2	.2	.4	.2	.5	.6
⁴ 01585500	1951–2008	58	.1	.2	.7	.3	1.0	.5
⁴ 01586000	1947–2008	61	7.1	8.2	18.8	11.0	21.0	15.8
⁴ 01586210	1984–2008	25	1.3	1.5	4.5	2.5	5.0	3.7
⁴ 01586610	1984–2008	25	2.6	2.9	8.2	4.1	9.2	6.2
⁴ 01587500	1950–1980	31	4.3	5.3	19.8	8.9	20.9	14.4
⁴ 01589000	² 1956–2004	41	12.6	14.6	34.1	19.6	40.1	27.5
⁴ 01589000	³ 1946–1954	9	57.0	70.8	108	84.7	130	117
⁴ 01589100	1959–2008	40	0.3	0.4	0.6	0.5	0.9	1.0
⁴ 01589300	1958–2008	42	3.3	3.8	8.1	5.7	10.8	9.1
⁴ 01589330	1961–2008	36	.2	.3	.6	.5	1.0	1.2
⁴ 01589440	1967–2008	33	3.3	3.5	8.4	4.6	9.8	6.6
⁴ 01589500	1946–2008	31	.1	.1	2.1	.2	2.5	.4
⁴ 01594930	1982–2004	23	1.2	1.6	3.0	2.1	3.9	2.9
⁴ 01594936	1982–2007	26	.1	.1	.3	.2	.4	.3
⁴ 01594950	1988–2008	21	<.1	<.1	.1	<.1	.2	.1
⁴ 01595000	1958–2008	51	4.8	6.4	14.7	9.8	21.8	17.4
⁵ 01595200	1963–2008	46	2.0	2.9	5.9	3.8	8.4	6.8
01595300	1958–1982	25	.4	.5	2.5	1.0	4.2	2.6
⁴ 01595500	1951–2008	39	11.7	14.2	32.4	22.0	47.7	37.1
01595800	³ 1968–1981	14	18.6	21.1	43.4	30.0	63.0	57.9
⁴ 01596500	1950–2008	59	.8	1.0	2.4	1.6	3.7	3.0
⁴ 01597000	1950–1981	32	1.0	1.1	1.7	1.3	2.0	1.7
⁴ 01597500	1952–2008	57	5.4	7.3	24.9	13.0	37.8	28.1
⁴ 01598500	² 1952–2008	57	71.4	78.3	143	90.8	164	109
⁴ 01599000	1907–2008	78	2.9	3.2	6.1	4.0	7.7	5.6
⁴ 01600000	² 1952–2008	38	76.6	83.4	133	95.6	160	115
⁴ 01600000	³ 1940–1950	11	38.2	43.4	70.7	49.7	91.6	87.4
01601000	1953–2008	20	.9	1.0	3.0	2.1	6.2	4.6
⁴ 01601500	1907–2008	78	13.1	13.9	23.4	16.5	29.0	23.2
⁴ 01603000	² 1983–2008	26	202	212	304	235	352	266
⁴ 01603000	³ 1931–1981	51	57.4	64.7	143	79.2	168	119
01603500	1934–1982	49	1.7	1.8	3.0	2.2	3.7	2.8
⁵ 01604500	1940–2008	69	2.2	2.7	6.9	4.4	9.7	7.1
⁴ 01609000	1930–2008	22	1.5	1.9	6.6	3.0	10.0	6.2
01610000	1940–2008	69	226	239	381	278	459	369
⁴ 01610155	1969–2008	18	0	0	.2	.1	1.0	1.0

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⁵ 01611500	1924–2008	83	37.2	39.3	56.4	45.6	65.6	56.0
⁴ 01613000	1934–2008	75	270	286	446	335	534	453
01613050	1967–2008	40	0	0	.1	<.1	.4	.2
⁵ 01614000	1930–2008	41	3.2	3.8	8.2	5.4	11.4	8.1
01614090	1962–1981	19	.2	.3	.8	.4	1.0	.7
⁴ 01614500	1930–2008	79	48.1	55.0	91.9	65.3	105	81.4
⁵ 01616500	1949–2008	60	34.4	36.7	54.4	41.0	61.9	48.7
01617000	1950–2008	24	.8	1.1	2.3	1.3	2.7	1.5
⁴ 01617800	1966–2008	43	.2	.5	3.0	.9	3.4	1.4
01618000	1930–2004	68	333	424	708	516	869	680
01619000	1950–2008	19	22.5	23.4	37.5	25.9	41.8	32.9
⁴ 01619500	1901–2008	82	57.9	65.2	93.1	72.4	103	82.5
⁴ 01637500	1949–2008	60	.6	.9	3.2	1.7	5.4	4.2
⁴ 01639000	1944–2008	65	.6	.8	4.7	2.9	8.2	6.6
⁴ 01639140	1992–2001	10	0	.1	.9	.3	1.5	.8
⁴ 01639500	1949–2008	60	—	7.1	23.9	10.4	26.6	17.2
⁴ 01640500	1933–1984	52	.1	.2	.6	.3	.8	.6
⁴ 01640965	1983–1994	12	<.1	<.1	.1	.1	.1	.1
⁴ 01640970	1983–1991	9	0.1	0.1	0.3	0.2	0.5	0.4
⁴ 01641000	³ 1951–1968	18	.9	1.1	1.9	1.5	2.5	1.9
⁴ 01641000	² 1970–1991	22	2.1	2.4	3.6	3.2	4.6	4.2
⁴ 01641500	1949–1984	36	.8	.9	1.5	1.1	1.8	1.4
⁴ 01642500	³ 1933–1970	35	6.0	6.8	15.3	9.0	18.5	13.4
⁴ 01642500	² 1972–1982	11	7.2	8.6	18.1	12.2	23.9	19.9
⁴ 01643000	1931–2008	78	45.1	49.2	105	63.9	128	93.1
⁴ 01643500	1950–2008	50	3.2	3.8	11.0	5.9	13.0	10.2
03007800	1976–2008	33	13.2	15.4	35.2	20.9	47.8	35.5
03008000	1968–1979	12	0	0	.2	<.1	.6	<.1
03009680	1976–1995	20	11.2	13.5	26.9	17.2	38.8	29.5
03010500	1941–2008	68	27.6	31.0	65.0	42.8	91.5	63.0
03010655	1976–2008	33	4.9	5.7	11.8	7.4	15.6	10.6
03011020	1905–2008	104	117	127	218	159	291	217
03011800	1967–2008	42	4.2	4.9	8.8	6.2	12.1	9.0
03012550	² 1967–1991	25	—	414	681	542	944	828
03012550	³ 1937–1965	29	168	176	260	212	319	267
03013000	1940–1993	54	28.2	31.0	48.3	35.1	58.7	41.5
03014500	1936–2008	73	7.4	10.8	28.6	15.3	41.0	24.1
03015000	² 1951–2008	58	76.4	81.7	143	95.1	180	115
03015000	³ 1941–1949	9	69.6	71.6	122	86.5	141	131
03015280	1964–1978	15	.7	.9	1.9	1.3	2.7	2.0
03015500	1911–2008	98	32.2	34.4	54.8	40.7	70.1	51.4
03016000	² 1967–2008	44	527	579	1,230	708	1,630	906
03016000	³ 1943–1965	23	292	312	466	368	560	486
03017500	1939–1979	41	14.6	16.3	30.0	22.1	42.2	35.4
03020000	1942–1991	50	7.5	14.8	72.6	40.7	86.2	67.9

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
03020500	1934–2008	75	27.4	30.1	50.2	37.4	66.0	48.4
03021350	1976–2008	33	3.8	4.5	10.7	7.6	19.2	12.9
03021410	1976–1993	18	2.3	2.8	5.6	4.6	10.6	8.6
03021500	1911–1971	61	8.1	9.6	18.4	13.0	25.9	18.4
03021520	1973–1991	19	20.0	23.1	35.3	31.8	52.2	49.8
03022540	1976–1995	16	2.5	2.8	4.9	3.8	7.1	5.6
03022554	1976–1991	16	5.2	5.7	9.1	6.6	10.5	10.5
03023100	1990–2008	19	50.4	55.3	110	67.6	161	104
03024000	² 1972–2008	37	77.4	85.4	166	109	233	176
03024000	³ 1934–1970	37	58.1	62.0	101	78.1	134	109
03025000	1935–1980	46	14.5	16.6	25.1	19.9	31.1	25.6
03025500	² 1967–2008	42	1,220	1,450	2,210	1,740	2,710	2,070
03025500	³ 1916–1965	50	468	491	784	590	1,000	770
03026500	1953–2008	56	.2	.2	.7	.4	1.1	.7
03027500	² 1954–1991	38	—	15.7	27.0	19.7	35.4	27.9
03028000	1955–2008	54	6.0	6.6	12.3	8.4	16.6	12.0
03028500	² 1954–1995	42	55.5	65.2	109	79.2	139	112
03029500	³ 1940–1952	13	51.9	57.0	96.4	69.9	123	103
03029500	² 1954–2008	55	151	171	282	195	328	244
03030500	1949–2008	60	16.9	76.8	232	148	366	210
03031500	² 1967–2008	42	1,670	2,050	3,020	2,390	3,620	2,790
03031500	³ 1934–1965	32	565	669	990	837	2,350	1,150
03031950	1965–1981	17	.3	.4	1.0	.7	1.4	1.1
03032500	1920–2008	87	29.2	34.4	62.3	45.7	88.2	66.4
03034000	1940–2008	69	16.1	17.4	28.3	20.4	37.0	26.3
03034500	1941–2008	68	1.5	1.9	5.9	3.8	10.5	7.5
03036000	² 1942–1991	50	12.2	14.2	34.2	28.1	60.0	44.4
03036500	² 1967–2008	42	1,620	2,070	3,070	2,440	3,820	2,920
03036500	³ 1906–1965	53	720	814	1,200	969	1,550	1,360
03038000	² 1970–2008	39	15.2	19.9	30.2	24.0	37.8	29.8
03038000	³ 1939–1968	30	3.5	5.5	9.6	7.6	14.4	11.6
03039000	² 1941–1991	51	4.7	6.6	17.6	12.0	28.9	23.1
03039000	³ 1920–1939	40	1.6	3.0	11.5	6.2	21.8	14.3
03039200	1966–1978	13	0	.1	.2	.2	.4	.2
03039925	1986–1998	10	.2	.3	.8	.4	1.2	.6
03040000	1915–2008	89	15.6	17.7	45.3	24.4	63.1	39.9
03041000	1940–2006	56	6.8	8.6	27.7	11.7	37.8	21.1
03041500	1940–2008	69	156	167	231	190	269	223
03042000	1953–2008	56	23.2	26.6	45.4	32.6	58.5	42.1
03042200	1962–1988	18	.2	.3	.6	.4	1.0	.6
03042280	² 1973–2008	36	5.1	6.0	9.8	7.5	12.2	9.9
03042500	² 1970–2008	39	34.2	39.0	50.7	45.6	62.9	55.4
03042500	³ 1953–1968	16	9.2	11.3	15.0	13.3	22.0	16.6
03043000	1909–1951	43	16.8	19.5	44.0	28.3	59.6	48.4
03044000	² 1953–1991	39	—	—	—	273	444	340

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
03044000	³ 1941–1951	11	266	277	350	293	402	391
03045000	1941–2008	68	2.2	3.2	12.9	6.3	22.2	14.8
03045500	1921–1940	17	11.6	17.0	35.5	23.0	49.6	32.4
03047000	1943–1991	49	1.7	9.8	43.5	29.0	55.2	47.6
03047500	1909–1937	29	141	155	335	190	412	276
03048500	² 1943–2008	66	182	232	385	307	496	392
03049000	1942–2008	67	3.2	3.8	8.5	5.7	13.5	9.4
03049500	² 1967–2008	42	1,950	2,390	3,490	2,860	4,420	3,510
03049500	³ 1940–1965	26	1,030	1,200	1,600	1,380	2,000	1,850
03049800	1964–2008	45	<.1	<.1	.2	.1	.5	.3
⁵ 03061500	1909–2008	83	.6	1.0	3.7	1.9	6.7	4.6
03062400	1966–2002	33	0	0	.1	<.1	.5	.1
03062500	1947–2008	28	.7	1.1	3.0	1.8	4.8	3.3
⁵ 03065000	1942–2008	64	10.4	12.4	34.8	20.7	64.0	54.9
⁵ 03066000	1923–2008	86	4.0	5.1	11.6	7.6	19.4	16.5
03068800	1975–2008	17	12.0	15.4	32.8	26.0	57.7	53.6
⁵ 03069000	1912–1993	67	9.1	11.6	37.6	21.0	67.6	59.6
⁵ 03069500	1914–2008	95	31.8	37.6	98.3	60.2	178	146
⁵ 03070000	1925–1996	72	35.8	40.2	114	66.8	209	173
03070420	1979–1995	17	0	<.1	<.1	<.1	.1	.1
⁵ 03070500	1911–2008	94	2.3	2.9	13.2	5.5	22.9	14.8
03072000	1942–2008	67	1.2	1.7	5.4	2.7	9.5	5.7
03072655	1940–2008	69	295	484	845	618	1,150	944
03072840	1970–1979	10	1.9	2.7	5.5	4.9	9.2	9.3
03073000	1933–1995	63	.3	.4	1.8	1.0	4.0	2.8
03074300	1969–1979	11	<.1	.1	.2	.2	.4	.4
03074500	1944–2008	65	8.5	10.2	18.7	13.0	23.3	17.8
03075070	1935–2008	74	354	512	908	688	1,220	1,060
⁴ 03075500	1943–2008	66	5.4	6.3	16.2	10.0	25.2	18.2
⁴ 03076500	² 1941–2008	67	19.9	48.0	83.2	67.6	117	98.0
⁴ 03076600	1966–2008	43	2.6	3.0	6.2	4.1	8.4	6.5
03077500	1945–1991	47	15.6	24.6	162	132	288	292
⁴ 03078000	1949–2008	60	1.2	1.6	5.0	2.8	8.4	5.6
03079000	1922–2008	87	16.4	18.4	37.5	24.8	56.3	43.0
03080000	1920–2008	89	3.9	5.1	12.1	8.4	20.6	15.6
03081000	1942–2008	67	240	283	535	358	644	518
03082200	1963–1978	16	0	.1	.4	.2	.7	.5
03082500	² 1926–2008	83	155	214	526	283	655	460
03082500	³ 1910–1924	13	23.0	30.8	129	53.6	208	144
03083000	1943–1979	37	.1	.1	.2	.1	.3	.2
03083500	² 1926–2008	74	262	332	644	416	776	621
03084000	1951–1994	44	0	<.1	.2	.2	.5	.3
03085000	1940–2004	65	1,060	1,230	1,950	1,440	2,380	1,950
03085500	1921–2008	80	26.7	30.8	52.4	36.5	62.4	48.5
03086000	1935–2008	74	2,760	3,060	5,030	3,650	6,230	4,930

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
03086500	1943–1993	51	0	0	3.9	<.1	5.1	1.6
03090500	² 1945–1992	48	0	1.0	17.5	3.0	39.9	21.3
03090500	³ 1933–1942	11	2.2	2.7	4.3	5.0	9.7	8.6
03091500	1931–2008	78	3.7	7.6	37.3	20.5	60.3	45.0
03092000	1943–1993	51	0	<.1	.1	.1	.3	.2
03092090	1967–1993	27	.3	.5	1.5	1.2	2.4	2.4
03092460	1971–1992	22	6.7	7.6	19.1	12.9	24.3	26.4
03092500	² 1969–1982	14	9.7	11.0	22.8	14.5	30.2	29.8
03092500	³ 1929–1966	39	4.1	4.7	6.7	5.9	8.5	7.8
03093000	1928–2008	77	3.7	6.8	11.2	8.6	14.0	11.3
03094000	1942–2008	67	101	109	162	130	207	157
03095500	1945–1991	27	0	0	5.2	.9	6.4	2.3
03097550	1989–2008	20	189	200	247	227	316	268
03098000	1923–1982	60	64.2	75.4	168	90.3	203	115
03098500	1945–2000	27	.1	.2	.8	.8	2.4	2.4
03098600	1989–2008	20	200	217	285	255	378	314
03099500	1945–2000	46	198	217	312	245	382	304
03100000	1913–1922	10	3.1	3.6	5.8	5.2	9.5	7.3
03101500	1936–2008	73	2.2	3.5	19.2	8.4	35.7	25.2
03102000	³ 1921–1932	12	2.6	3.5	5.9	4.3	9.2	6.8
03102500	1915–2008	90	4.8	5.5	10.4	7.1	13.8	9.7
03102850	1967–2008	42	47.3	54.4	82.5	69.8	106	103
03102950	1967–1994	28	.2	.4	2.0	1.4	5.0	4.4
03103000	1915–1963	46	1.2	1.8	4.4	2.9	6.7	5.1
03103500	1939–1991	53	81.3	94.8	154	124	196	154
03104000	³ 1911–1932	22	13.1	14.8	29.9	19.6	41.5	28.8
03104500	³ 1911–1932	20	12.6	16.5	30.4	24.4	47.8	36.5
03104760	1970–1981	12	<.1	.1	.1	.1	.1	.2
03105500	1916–2008	77	266	295	617	355	736	427
03106000	1921–2008	88	10.0	11.9	24.5	16.2	35.6	25.7
03106300	² 1971–2008	36	1.3	1.9	4.0	2.6	6.3	3.9
03106500	³ 1913–1969	57	—	30.4	44.6	38.8	59.3	49.2
03106500	² 1971–2008	38	44.0	47.5	73.5	57.5	101	78.2
03107500	1958–2008	51	510	564	842	657	989	781
03108000	³ 1943–1956	14	6.2	7.7	11.2	10.4	17.4	16.6
03108000	² 1958–2008	51	7.4	8.3	16.3	11.0	22.6	16.9
03109500	1917–2008	92	18.3	20.4	38.4	29.0	53.3	43.1
03110000	1942–2008	67	1.9	2.3	6.7	3.8	10.6	8.2
03111150	1962–1985	19	0	0	.1	0	.3	<.1
03111500	1943–2008	66	7.7	9.5	19.8	12.9	24.5	19.3
03111534	1980–1995	16	4,620	5,610	8,430	6,530	10,700	8,320
03111548	1983–2008	21	10.2	11.0	20.8	13.4	26.5	20.9
03112000	² 1988–2008	21	.7	1.3	7.7	3.2	14.6	11.1
⁵ 03112000	³ 1942–1986	45	.4	.7	3.5	1.6	8.9	4.8
03114000	1928–2003	52	0	<.1	1.6	.5	5.6	3.6

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	1-day, 10-year (ft ³ /s)	7-day, 10-year (ft ³ /s)	7-day, 2-year (ft ³ /s)	30-day, 10-year (ft ³ /s)	30-day, 2-year (ft ³ /s)	90-day, 10-year (ft ³ /s)
04209000	1927–2008	68	11.3	14.3	30.8	21.7	45.1	30.0
04212500	1926–1979	47	0	0	0	0	.4	.2
04213000	1924–2008	70	1.6	2.4	7.4	4.4	12.4	7.4
04213040	1971–1996	26	0	0	.1	<.1	.1	.1
04213075	1988–2008	21	.3	.3	.7	.5	1.0	.8
04221000	1957–2008	37	15.6	17.2	30.7	21.6	41.0	29.8
04223000	1910–2008	99	46.2	57.8	102	74.6	137	110
04224775	1976–2008	33	7.2	7.6	11.5	8.4	14.6	10.4
04227000	1960–2008	44	19.6	21.8	37.0	25.7	45.6	30.3

¹Climatic year is defined as 12-month period beginning April 1 and ending March 31. The climatic year is designated by the calendar year in which it ends.²Period of record for post-regulation period.³Period of record for pre-regulation period.⁴Low-flow statistics also presented in Doheny and Banks (2010).⁵Low-flow statistics computed from a common period of record can be found in Wiley (2006).

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
01411456	1989–2008	20	4.3	3.6	3.2
01411500	1934–2008	75	93.4	82.6	76.2
01412000	1933–1984	31	20.8	18.1	16.4
01412800	1979–2008	14	22.6	21.1	20.2
01413500	1938–2008	71	134	116	105
01414000	1943–2008	31	29.1	26.2	24.4
01414500	1938–2008	71	26.6	23.5	21.6
01415000	1938–2008	71	24.8	21.8	20.0
01417000	² 1956–2008	53	35.5	25.4	20.3
01417000	³ 1943–1954	12	318	296	283
01417500	² 1956–2008	42	127	112	104
01417500	³ 1936–1954	19	367	334	313
01420000	1926–1981	56	18.1	15.9	14.5
01420500	1915–2008	94	247	214	193
01421000	² 1956–2008	53	459	415	389
01421000	³ 1915–1954	40	683	581	518
01421900	1938–2008	44	101	85.0	75.4
01422500	1939–2008	43	38.4	33.5	30.5
01423000	1952–2008	57	219	189	170
0142400103	1954–2008	25	13.7	11.9	10.8
01425000	² 1965–2008	44	113	69.6	49.0
01425000	³ 1953–1963	10	72.9	18.7	6.2
01425675	1971–1981	11	4.4	4.0	3.8
01426000	1942–1973	32	39.6	34.1	30.8
01426500	² 1965–2008	44	233	179	150
01426500	³ 1914–1963	50	406	340	298
01427500	1942–1982	41	65.0	56.0	50.6
01427510	1977–2008	32	1,040	938	876
01428500	1942–2008	67	1,210	1,050	948
01428750	1988–2008	21	30.4	25.4	22.4
01429000	² 1962–2008	47	44.6	38.0	34.1
01429000	³ 1946–1960	15	48.4	42.3	38.5
01429500	² 1961–2008	48	42.2	35.9	32.2
01429500	³ 1945–1959	15	44.8	40.1	37.2
01430000	² 1961–2008	31	110	93.0	82.6
01430000	³ 1950–1959	10	130	120	113
01430500	1924–1938	15	144	121	107
01431000	1947–1960	14	52.3	48.9	46.9
01431500	² 1961–2008	48	178	152	136
01431500	³ 1910–1959	28	177	156	144
01432000	³ 1911–1925	15	206	192	183
01433500	1941–1995	55	99.1	76.7	64.3
01434000	1910–2008	99	2,080	1,810	1,640
0143400680	1992–2008	17	15.0	13.7	12.9
01434017	1993–2008	16	37.9	35.2	33.7

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01434021	1992–2008	17	1.0	.9	.8
01434025	1985–2008	24	5.0	4.6	4.3
01434498	1993–2008	16	52.8	48.8	46.3
01435000	1939–2008	67	87.6	78.0	72.0
01436000	² 1955–2008	54	15.4	11.5	9.5
01436000	³ 1943–1953	11	134	124	118
01436500	² 1955–1993	34	38.3	34.1	31.7
01436500	³ 1939–1953	15	136	119	109
01436690	1994–2008	15	106	97.1	91.9
01437500	² 1955–2008	54	194	172	159
01437500	³ 1939–1953	15	267	230	209
01438500	1941–2008	68	2,230	1,940	1,770
01439500	1910–2008	99	111	95.4	85.8
01440000	1925–2008	84	49.5	42.5	38.3
01440200	1966–1995	30	2,110	1,650	1,380
01440400	1959–2008	50	62.3	54.4	49.5
01441000	1913–1938	26	56.9	48.7	43.7
01442500	1952–2008	57	237	206	188
01443280	1994–2008	15	12.5	11.1	10.2
01443500	1923–2008	84	87.5	73.5	65.3
01443900	1968–2008	41	5.0	4.2	3.7
01445000	1941–2008	27	25.2	20.9	18.4
01445500	1923–2008	86	73.9	60.7	53.0
01446000	1924–2008	42	24.0	20.5	18.5
01446500	1924–2008	85	3,220	2,800	2,550
01446600	1963–1978	16	4.7	3.7	3.2
01447500	1945–2008	64	92.0	81.2	74.5
01447680	² 1971–2008	38	22.0	18.4	16.3
01447720	² 1987–2008	22	125	108	97.5
01447720	³ 1963–1985	23	120	107	99.0
01447800	1959–2008	50	255	221	200
01448000	1918–1959	41	307	265	238
01448500	1950–1996	47	2.4	2.1	1.9
01449000	1984–2008	25	605	528	482
01449360	1968–2008	41	53.5	46.2	41.8
01449800	1969–2008	40	76.0	64.9	58.2
01450500	1941–2008	68	70.7	61.9	56.6
01451000	² 1962–2008	47	847	739	675
01451000	³ 1948–1960	13	1,000	913	856
01451500	1947–2008	62	49.7	40.8	35.8
01451650	1988–2008	21	68.2	59.6	54.7
01451800	1967–2008	42	32.0	27.4	24.7
01452000	1946–2008	63	38.5	31.7	27.7
01452500	1950–2008	59	24.3	19.4	16.6
01453000	² 1929–2008	81	1,120	992	913

Table 3. Selected base-flow statistics for streamgauge locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgauge number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
01453000	³ 1904–1927	18	1,030	944	890
01454700	1968–2005	38	1,360	1,210	1,120
01455500	1930–2008	52	21.0	15.8	12.9
01457000	1905–2008	89	121	101	89.9
01459500	² 1975–2008	34	33.7	27.6	24.0
01459500	³ 1937–1973	37	26.4	23.5	21.9
01463500	1914–2008	95	5,130	4,530	4,170
01463620	1974–2008	19	22.3	18.5	16.3
01464000	1925–2008	84	52.2	43.9	39.0
01464500	1942–2008	65	60.4	54.4	50.7
01464645	1987–2008	22	11.1	7.8	6.1
01464720	1992–2008	17	13.2	11.3	10.2
01465000	1886–1934	28	56.2	47.1	41.8
01465500	1936–2008	73	89.5	75.3	67.0
01465770	1966–1982	16	2.1	1.7	1.5
01465798	1967–2008	42	7.1	6.2	5.6
01465850	1963–2008	19	39.7	32.7	28.6
01466500	1955–2008	54	1.4	1.2	1.1
01467000	1923–2008	86	92.2	81.7	75.5
01467042	1966–1981	16	24.0	20.0	17.7
01467048	1967–2008	42	31.1	27.9	26.1
01467050	1967–1981	15	1.1	1.0	.9
01467081	1969–2008	38	6.5	5.8	5.4
01467086	1967–1988	23	11.0	10.0	9.4
01467087	1984–2008	25	10.3	9.3	8.7
01467089	1968–1982	15	14.7	13.1	12.1
01467150	1965–2008	44	12.4	10.7	9.7
01467500	1945–1969	25	48.2	42.6	39.4
01468500	1949–2008	40	140	121	110
01469500	1921–2008	88	36.6	31.4	28.3
01470500	1949–2008	60	303	264	241
01470756	1974–1995	22	98.3	81.9	72.0
01470779	1976–2008	33	56.9	48.1	42.8
01470853	1984–2005	22	3.1	2.6	2.3
01470960	² 1980–2008	29	115	98.2	88.3
01470960	³ 1967–1978	12	116	93.0	79.4
01471000	² 1980–2008	29	139	117	105
01471000	³ 1952–1978	27	135	112	98.9
01471510	² 1980–2008	29	699	605	549
01471510	³ 1916–1930	10	698	651	622
01471875	1995–2008	14	40.6	36.5	34.2
01471980	1976–2004	29	55.8	49.6	45.9
01472000	² 1980–2008	29	830	727	665
01472000	³ 1929–1978	50	752	630	557
01472157	1970–2008	39	36.7	31.7	28.8

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01472174	1969–1984	16	4.2	3.5	3.1
01472198	1983–2008	26	26.8	23.8	22.1
01472199	1983–2008	26	17.2	15.2	14.0
01472500	1886–1913	28	68.7	58.2	52.0
01472620	1985–2008	24	2.6	1.0	.5
01472810	1992–2008	15	53.2	48.4	45.2
01473000	² 1958–2008	51	112	93.8	82.8
01473000	³ 1916–1956	41	94.2	77.3	67.5
01473120	1968–1994	27	17.3	14.3	12.6
01473169	1984–2008	25	18.0	16.7	15.9
01473500	1929–2008	9	767	578	474
01473900	1963–2008	14	17.8	15.0	13.5
01473950	1967–1981	15	29.9	25.1	22.3
01474000	1967–2008	42	41.4	36.6	33.7
01474500	1933–2008	76	912	748	653
01475000	1942–2006	37	7.7	6.9	6.4
01475300	1974–1997	24	3.9	3.5	3.3
01475510	1965–1990	26	26.5	23.1	21.2
01475530	1966–1981	19	2.9	2.6	2.3
01475550	1965–1990	25	5.0	3.1	2.2
01475850	1983–2008	26	10.6	9.8	9.3
01476480	1988–2008	19	19.0	17.0	15.9
01476500	1933–1954	22	21.5	18.8	17.1
01477000	1933–2007	73	38.0	33.2	30.5
01477120	1967–2008	42	20.1	18.5	17.5
01477800	1947–2008	62	1.9	1.6	1.4
01478000	1944–2008	65	8.0	6.9	6.3
01478500	1953–1979	23	34.8	29.4	26.4
01479000	1933–2008	65	47.3	41.2	37.7
01479820	1989–2008	20	18.4	16.7	15.8
01480000	1944–2008	65	27.3	24.1	22.3
01480015	1990–2008	19	31.1	27.7	25.9
01480100	1965–1980	16	2.7	2.4	2.2
01480300	1962–2008	47	10.2	8.8	8.0
01480500	² 1995–2008	30	23.7	21.4	20.2
01480500	³ 1945–1993	14	26.5	22.9	20.8
01480617	1971–2008	38	36.5	32.2	29.7
01480675	1968–2008	41	4.8	4.2	3.8
01480685	1975–2008	34	13.7	11.8	10.6
01480700	² 1975–2008	34	41.0	36.0	33.1
01480800	1960–1968	9	37.4	34.0	32.1
01480870	1973–2008	36	66.8	59.1	54.7
01481000	³ 1913–1973	51	164	141	128
01481000	² 1975–2008	34	189	169	158
01481500	² 1975–2008	34	214	190	177

Table 3. Selected base-flow statistics for streamgauge locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgauge number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01481500	³ 1948–1973	26	195	169	155
01482500	1941–2008	47	7.6	6.5	5.9
01483200	1958–2008	51	1.7	1.4	1.2
01483700	1959–2008	50	11.8	9.5	8.2
01484000	1933–2008	27	7.4	6.3	5.7
01484100	1960–2008	49	1.8	1.5	1.4
01484270	1973–2005	11	8.6	7.9	7.5
01493000	1949–2008	56	11.6	10.0	9.2
01493500	1953–2008	54	4.0	3.4	3.1
01495000	1933–2008	76	28.5	24.5	22.2
01496000	1950–1984	35	11.1	9.1	7.9
01496200	1969–1992	24	4.8	4.2	3.9
01496500	1931–1995	59	86.7	71.8	62.7
01500000	² 1951–2008	58	61.8	53.5	48.4
01500500	1940–2008	57	664	569	512
01502000	1940–1995	56	43.2	37.3	33.6
01502500	1931–2008	68	350	296	263
01503000	1914–2008	95	1,390	1,170	1,040
01505000	1940–2008	60	174	151	137
01508803	1968–1986	14	67.9	61.5	57.7
01509000	1940–2008	67	202	157	130
01510000	1940–2008	63	117	104	95.8
01512500	1914–2008	95	923	798	723
01515000	1938–2008	65	2,800	2,450	2,250
01516350	1978–2008	31	75.9	65.0	58.7
01516500	1956–2008	53	3.8	3.0	2.5
01518000	² 1979–2008	30	133	114	104
01518000	³ 1940–1977	38	99.9	83.7	74.0
01518700	² 1981–2008	28	155	132	119
01518862	1985–2008	24	32.1	26.1	22.6
01520000	² 1981–2008	28	74.3	62.3	55.5
01520000	³ 1953–1978	26	76.8	66.8	61.0
01520500	² 1981–1995	15	223	189	170
01520500	³ 1931–1979	49	233	197	175
01521500	² 1941–2008	68	11.6	10.2	9.4
01523500	² 1950–2008	59	20.7	18.4	17.0
01524500	1944–2008	65	55.3	48.6	44.7
01526500	² 1980–2008	29	405	346	312
01526500	³ 1920–1978	59	329	209	145
01527000	1952–1981	30	25.6	23.1	21.7
01527500	1940–2008	12	84.2	70.9	63.0
01528000	1938–1995	58	23.7	20.2	18.2
01529000	1938–1982	45	11.1	9.6	8.7
01529500	1920–2008	89	165	144	131
01529950	² 1980–2008	29	623	527	472

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01530500	1940–2008	69	30.2	25.8	23.3
01531000	² 1981–2008	28	—	—	—
01531000	³ 1905–1979	68	758	657	598
01531500	² 1981–2008	28	3,830	3,300	2,990
01531500	³ 1915–1979	65	3,730	3,220	2,900
01532000	1915–2008	94	89.5	75.0	66.4
01532850	1967–1979	13	3.6	3.5	3.4
01533400	² 1981–2008	28	3,270	2,320	1,800
01533500	1942–1958	17	16.0	14.3	13.3
01533950	1962–1978	17	5.6	4.7	4.1
01534000	1915–2008	94	183	155	139
01534300	1960–2008	49	29.5	25.9	23.7
01534500	² 1961–2008	48	92.6	79.7	72.0
01534500	³ 1941–1959	19	99.6	88.8	82.1
01536000	² 1961–2008	48	168	144	130
01536000	³ 1940–1959	20	261	231	213
01536500	² 1981–2008	28	5,120	4,340	3,880
01536500	³ 1901–1979	79	4,880	4,220	3,820
01537000	1943–1993	51	15.5	13.5	12.3
01537500	1941–1990	50	6.8	5.6	4.9
01538000	1921–2008	88	28.4	24.6	22.3
01539000	1940–2008	69	165	120	93.5
01539500	1942–1958	17	28.4	26.7	25.8
01540200	1965–1981	17	.9	.8	.6
01540500	² 1981–2008	28	4,750	3,480	2,780
01540500	³ 1906–1979	74	5,230	4,190	3,560
01541000	1915–2008	94	191	165	150
01541200	² 1967–2008	40	242	214	198
01541200	³ 1957–1965	9	236	223	217
01541303	1980–2008	29	329	289	264
01541308	1969–1979	11	6.3	5.7	5.3
01541500	² 1962–2008	47	233	208	194
01541500	³ 1915–1960	46	194	164	146
01542000	1942–1993	52	54.8	49.7	46.7
01542500	² 1967–2008	33	1,100	1,030	980
01542500	³ 1941–1965	20	985	902	853
01542810	1966–2008	43	3.0	2.7	2.5
01543000	1915–2008	94	142	122	110
01543500	1940–2008	69	474	415	380
01544000	² 1957–2008	52	120	102	91.5
01544500	1942–2008	67	86.1	76.5	70.9
01545000	² 1964–2008	45	133	115	105
01545500	² 1963–2008	46	1,860	1,640	1,510
01545500	³ 1909–1961	53	1,680	1,350	1,150
01545600	1966–2008	43	28.0	24.0	21.6

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
01546000	1912–1934	17	64.2	60.7	58.9
01546400	1986–2008	23	34.3	30.1	27.7
01546500	1942–2008	67	54.3	46.9	42.5
01547100	1969–2008	40	135	105	87.3
01547200	1957–2008	52	197	175	161
01547500	² 1971–2008	38	232	210	197
01547500	³ 1956–1969	14	186	166	154
01547700	1957–2008	52	20.6	17.8	16.2
01547800	1971–1981	11	12.8	11.6	10.9
01547950	1970–2008	39	116	99.0	88.7
01548005	² 1971–2000	25	392	336	303
01548005	³ 1912–1969	58	300	231	189
01548500	1920–2008	89	299	259	235
01549000	1910–1920	11	400	354	326
01549500	1942–2008	67	20.7	18.2	16.7
01549700	1959–2008	50	478	412	374
01550000	1915–2008	94	111	95.8	86.8
01551500	² 1963–2008	46	3,380	3,020	2,810
01551500	³ 1901–1961	61	3,000	2,570	2,320
01552000	1927–2008	80	271	233	209
01552500	1942–2008	67	19.6	17.3	16.0
01553130	1969–1981	13	5.0	4.5	4.2
01553500	³ 1941–1966	26	4,020	3,710	3,540
01553500	² 1968–2008	41	4,210	3,740	3,470
01553700	1981–2008	28	28.3	25.9	24.5
01554000	² 1981–2008	28	8,570	6,630	5,520
01554000	³ 1939–1979	41	9,420	7,820	6,860
01554500	1941–1993	53	49.4	43.6	40.0
01555000	1931–2008	78	185	158	143
01555500	1931–2008	78	80.1	66.6	58.6
01556000	1918–2008	91	156	136	124
01557500	1946–2008	63	31.7	28.0	25.8
01558000	1940–2008	69	187	169	159
01559000	1943–2008	66	489	437	407
01559500	1931–1958	28	58.7	48.3	42.1
01559700	1963–1978	16	2.0	1.7	1.5
01560000	1941–2008	68	83.5	73.9	68.3
01561000	1932–1958	27	14.6	11.2	9.3
01562000	1913–2008	96	310	263	235
01562500	1931–1957	27	32.7	25.3	21.0
01563200	² 1974–2008	35	439	382	348
01563200	³ 1948–1972	25	297	248	220
01563500	² 1974–2008	35	1,140	1,040	981
01563500	³ 1939–1972	34	865	761	700
01564500	1940–2008	69	72.5	59.5	52.0

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01565000	1941–2008	37	104	92.5	86.1
01565700	1965–1981	17	2.6	2.1	1.9
01566000	1913–2008	52	86.6	68.0	56.9
01566500	1932–1958	27	26.3	22.8	20.8
01567000	² 1974–2008	35	1,650	1,490	1,390
01567000	³ 1901–1972	72	1,450	1,230	1,100
01567500	1955–2008	54	8.0	6.9	6.4
01568000	1931–2008	78	103	84.1	73.2
01568500	² 1943–1997	55	5.7	4.3	3.6
01569000	1939–1974	14	24.0	19.9	17.5
01569800	1978–2008	31	28.5	25.3	23.4
01570000	³ 1913–1969	35	201	156	129
01570000	² 1971–2008	38	231	194	172
01570500	³ 1901–1972	72	12,400	10,600	8,310
01570500	² 1974–2008	35	12,800	9,840	9,290
01571000	1941–1995	16	4.9	4.0	3.5
01571500	1911–2008	62	164	146	135
01572000	1921–1984	14	19.1	14.5	11.8
01572025	1990–2008	17	93.7	79.1	70.3
01572190	1990–2008	17	124	102	89.4
01573000	1920–2008	89	190	156	136
01573086	1965–1981	17	3.4	2.4	1.8
01573160	1977–1994	18	56.5	48.4	43.6
01573500	1939–1958	20	10.0	8.7	8.0
01573560	1977–2008	30	272	229	204
01574000	1930–2008	79	144	113	94.9
01574500	² 1968–2008	41	36.8	30.7	27.1
01574500	³ 1930–1966	34	27.9	23.4	20.8
01575000	² 1973–1995	23	38.8	31.9	28.1
01575000	³ 1929–1971	43	31.8	23.5	19.1
01575500	² 1948–1996	49	77.6	62.7	54.4
01576000	³ 1933–1972	40	13,200	11,000	9,770
01576000	² 1974–2008	35	14,200	11,800	10,400
01576085	1984–1995	12	2.9	2.5	2.3
01576500	1931–2008	78	148	117	99.8
01576754	1986–2008	23	278	235	210
01578310	1969–2008	40	11,500	9,730	8,750
01578400	1964–1981	18	3.2	2.7	2.3
01580000	1928–2008	81	57.4	48.5	43.4
01581500	1946–2008	28	3.3	2.9	2.7
01581700	1969–2008	40	21.3	18.0	16.1
01582000	1946–2008	63	32.5	27.8	25.2
01582500	1985–2008	24	106	92.4	84.8
01583000	1949–1981	33	1.0	.8	.8
01583100	1984–2008	15	7.3	6.4	5.9

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
01583500	1946–2008	63	31.1	26.6	24.0
01583600	1984–2008	25	13.5	12.0	11.1
01584050	1977–2008	32	5.1	4.4	4.0
01584500	1928–2008	52	19.3	16.1	14.3
01585095	1994–2008	15	.3	.2	.2
01585100	1960–2008	45	2.6	2.3	2.1
01585200	1959–2008	39	.6	.5	.5
01585300	1960–1989	28	1.1	1.1	1.0
01585400	1960–1987	28	.5	.5	.5
01585500	1951–2008	58	1.0	.8	.6
01586000	1947–2008	61	27.2	23.7	21.6
01586210	1984–2008	25	8.3	7.4	6.9
01586610	1984–2008	25	15.7	13.8	12.8
01587500	1950–1980	31	29.6	25.3	22.9
01589000	² 1956–2004	41	52.4	45.6	42.1
01589000	³ 1946–1954	9	169	156	148
01589100	1959–2008	40	.9	.8	.8
01589300	1958–2008	42	13.5	11.9	11.0
01589330	1961–2008	36	1.3	1.1	1.0
01589440	1967–2008	33	13.1	11.5	10.6
01589500	1946–2008	31	.8	.4	.2
01594930	1982–2004	23	11.7	10.8	10.4
01594936	1982–2007	26	1.9	1.6	1.5
01594950	1988–2008	21	1.8	1.6	1.5
01595000	1958–2008	51	72.9	64.3	58.9
01595200	1963–2008	46	34.2	30.1	27.8
01595300	1958–1982	25	27.0	23.0	20.6
01595500	1951–2008	39	190	170	157
01595800	³ 1968–1981	14	207	182	167
01596500	1950–2008	59	26.1	23.1	21.2
01597000	1950–1981	32	12.2	10.6	9.7
01597500	1952–2008	57	57.1	50.1	46.2
01598500	² 1952–2008	57	285	250	230
01599000	1907–2008	78	29.6	24.6	21.7
01600000	² 1952–2008	38	340	299	275
01600000	³ 1940–1950	11	290	253	231
01601000	1953–2008	20	63.7	54.9	49.7
01601500	1907–2008	78	107	90.8	81.3
01603000	² 1983–2008	26	567	500	460
01603000	³ 1931–1981	51	433	370	332
01603500	1934–1982	49	13.3	11.3	10.2
01604500	1940–2008	69	44.2	35.7	31.1
01609000	1930–2008	22	44.1	33.0	26.8
01610000	1940–2008	69	1,100	969	895
01610155	1969–2008	18	22.2	16.9	14.1

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
01611500	1924–2008	83	170	144	129
01613000	1934–2008	75	1,340	1,180	1,080
01613050	1967–2008	40	4.0	3.3	2.9
01614000	1930–2008	41	46.7	35.6	29.5
01614090	1962–1981	19	3.4	2.9	2.6
01614500	1930–2008	79	209	173	153
01616500	1949–2008	60	92.9	81.2	74.7
01617000	1950–2008	24	4.0	3.0	2.4
01617800	1966–2008	43	4.9	3.8	3.2
01618000	1930–2004	68	1,850	1,550	1,380
01619000	1950–2008	19	41.9	25.2	17.0
01619500	1901–2008	82	137	117	106
01637500	1949–2008	60	25.6	21.3	18.9
01639000	1944–2008	65	39.6	26.3	19.2
01639140	1992–2001	10	9.6	8.4	7.7
01639500	1949–2008	60	41.8	35.5	31.8
01640500	1933–1984	52	4.0	3.3	2.9
01640965	1983–1994	12	1.2	1.0	.9
01640970	1983–1991	9	2.8	2.5	2.3
01641500	1949–1984	36	6.1	5.2	4.6
01643000	1931–2008	78	277	226	196
01643500	1950–2008	50	26.6	23.3	21.5
03007800	1976–2008	33	154	134	121
03008000	1968–1979	12	4.7	4.3	4.0
03009680	1976–1995	20	123	109	101
03010500	1941–2008	68	372	333	309
03010655	1976–2008	33	58.9	52.2	48.3
03011020	1910–2008	99	1,040	911	835
03011800	1967–2008	42	35.0	31.5	29.3
03012550	² 1937–1965	25	1,410	1,250	1,150
03013000	1940–1993	54	205	178	162
03014500	1936–2008	73	196	170	155
03015000	² 1951–2008	58	675	603	561
03015000	³ 1941–1949	9	662	554	487
03015280	1964–1978	15	10.6	9.8	9.2
03015500	1911–2008	98	213	190	176
03016000	² 1967–2008	44	2,490	2,140	1,920
03016000	³ 1943–1965	23	2,390	2,150	2,000
03017500	1939–1979	41	185	166	154
03020000	1942–1991	50	307	273	252
03020500	1934–2008	75	201	182	170
03021350	1976–2008	33	74.5	66.7	61.9
03021410	1976–1993	18	44.1	39.5	36.5
03021500	1911–1971	61	148	134	126
03021520	1973–1991	19	251	237	229

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
03022540	1975–1995	16	22.2	19.8	18.3
03022554	1976–1991	16	34.6	30.5	28.0
03023100	1990–2008	19	599	507	453
03024000	² 1972–2008	37	764	648	578
03024000	³ 1934–1970	37	620	552	510
03025000	1935–1980	46	112	98.3	90.0
03025500	² 1967–2008	42	3,880	3,010	2,510
03025500	³ 1916–1965	50	3,230	2,480	2,030
03026500	1953–2008	56	6.3	5.5	5.0
03027500	² 1954–1991	38	73.6	57.0	46.9
03028000	1955–2008	54	52.4	46.3	42.6
03028500	² 1954–1995	42	192	167	152
03029500	² 1954–2008	55	647	588	552
03029500	³ 1940–1952	13	577	502	457
03030500	1949–2008	60	444	373	332
03031500	² 1967–2008	42	5,070	3,990	3,360
03031500	³ 1934–1965	32	3,850	2,800	2,200
03031950	1965–1981	17	5.7	5.2	4.9
03032500	1920–2008	87	298	249	219
03034000	1940–2008	69	113	98.7	90.0
03034500	1941–2008	68	51.7	46.1	42.8
03036000	² 1942–1991	50	210	192	182
03036500	² 1967–2008	42	5,780	4,580	3,880
03036500	³ 1906–1965	53	5,090	4,120	3,530
03038000	² 1970–2008	39	90.8	77.8	70.1
03038000	³ 1939–1968	30	89.7	78.1	71.1
03039000	² 1941–1991	51	118	102	92.0
03039000	³ 1920–1939	40	96.1	69.3	54.0
03039200	1966–1978	13	2.8	2.6	2.5
03039925	1986–1998	10	3.6	3.0	2.7
03040000	1915–2008	89	233	200	180
03041000	1940–2006	56	120	103	92.5
03041500	1940–2008	69	568	518	489
03042000	1953–2008	56	150	133	123
03042200	1962–1988	18	5.6	5.1	4.8
03042280	² 1973–2008	36	38.2	33.6	30.9
03042500	² 1970–2008	39	125	113	105
03042500	³ 1953–1968	16	104	94.6	88.8
03043000	1909–1951	43	209	179	161
03044000	² 1953–1991	39	869	772	712
03044000	³ 1941–1951	11	1,060	1,000	974
03045000	1941–2008	68	112	99.5	91.7
03045500	1921–1940	17	128	104	89.1
03047000	1943–1991	49	158	140	129
03047500	1909–1937	29	1,030	869	766

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	10-year base flow (ft ³ /s)	25-year base flow (ft ³ /s)	50-year base flow (ft ³ /s)
03048500	² 1943–2008	66	1,140	1,000	917
03049000	1942–2008	67	67.8	60.2	55.8
03049500	² 1967–2008	42	6,910	5,360	4,460
03049500	³ 1940–1965	26	6,120	4,770	3,980
03049800	1964–2008	45	2.0	1.7	1.5
03061500	1909–2008	83	40.3	34.9	31.7
03062400	1966–2002	33	5.5	4.7	4.2
03062500	1947–2008	28	32.8	28.0	25.1
03065000	1942–2008	64	251	224	208
03066000	1923–2008	86	70.9	59.5	52.4
03068800	1975–2008	17	181	167	159
03069000	1912–1993	67	206	188	177
03069500	1914–2008	95	553	482	439
03070000	1925–1996	72	750	650	588
03070420	1979–1995	17	.7	.7	.7
03070500	1911–2008	94	136	113	99.5
03072000	1942–2008	67	71.4	61.4	55.7
03072655	1940–2008	69	2,190	1,860	1,670
03072840	1970–1979	10	48.7	42.5	38.9
03073000	1933–1995	63	50.1	41.9	37.1
03074300	1969–1979	11	2.8	2.5	2.4
03074500	1944–2008	65	44.3	39.9	37.3
03075070	1935–2008	74	2,610	2,260	2,050
03075500	1943–2008	66	116	103	95.1
03076500	² 1941–2008	67	232	206	190
03076600	1966–2008	43	36.2	31.8	29.1
03077500	1945–1991	47	406	—	333
03078000	1949–2008	60	49.4	44.3	41.2
03079000	1922–2008	87	234	208	193
03080000	1920–2008	89	104	91.9	84.5
03081000	1942–2008	67	866	756	690
03082200	1963–1978	16	7.1	6.4	6.0
03082500	² 1926–2008	83	1,000	836	734
03082500	³ 1910–1924	13	529	334	234
03083000	1943–1979	37	2.2	2.0	1.8
03083500	² 1926–2008	74	1,300	1,170	1,090
03084000	1951–1994	44	1.8	1.5	1.4
03085000	1940–2004	65	4,340	3,800	3,480
03085500	1921–2008	80	108	92.0	82.3
03086000	1935–2008	74	13,600	12,100	11,200
03086500	1943–1993	51	18.9	15.1	12.9
03090500	² 1945–1992	48	89.3	74.6	66.3
03090500	³ 1933–1942	11	36.0	30.0	26.5
03091500	1931–2008	78	94.9	74.3	62.8
03092000	1943–1993	51	3.6	2.9	2.5

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
03092090	1967–1993	27	8.8	7.7	7.1
03092460	1971–1992	22	54.7	47.7	43.6
03092500	² 1969–1982	14	46.2	35.1	28.7
03092500	³ 1929–1966	39	23.6	20.2	18.3
03093000	1928–2008	77	30.9	25.5	22.3
03094000	1942–2008	67	231	196	177
03095500	1945–1992	27	35.8	30.1	26.9
03097550	1989–2008	20	341	279	245
03098000	1923–1982	60	267	218	190
03098500	1945–2000	27	14.2	12.3	11.3
03098600	1989–2008	20	387	318	280
03099500	1945–2000	46	445	388	354
03100000	1913–1922	10	65.5	59.3	55.8
03101500	1936–2008	73	93.8	55.7	36.8
03102000	³ 1921–1932	12	78.4	66.2	59.0
03102500	1915–2008	90	47.7	41.3	37.5
03102850	1967–2008	42	199	170	153
03102950	1967–1994	28	38.3	33.6	30.8
03103000	1915–1963	46	54.9	46.8	42.3
03103500	1939–1991	53	282	229	197
03104000	³ 1911–1932	22	212	180	161
03104500	³ 1911–1932	20	269	224	197
03104760	1970–1981	12	.8	.7	.6
03105500	1916–2008	77	880	734	652
03106000	1921–2008	88	136	112	97.9
03106300	² 1971–2008	36	25.7	18.9	15.1
03106500	² 1971–2008	38	218	183	162
03106500	³ 1913–1969	57	183	156	140
03107500	1958–2008	51	1,410	1,200	1,070
03108000	² 1958–2008	51	68.3	58.3	52.5
03108000	³ 1943–1956	14	77.2	67.9	62.2
03109500	1917–2008	92	167	143	129
03110000	1942–2008	67	54.6	46.2	41.3
03111150	1962–1985	19	3.1	2.5	2.1
03111500	1943–2008	66	53.3	46.3	42.3
03111534	1980–1995	16	17,600	15,800	14,700
03111548	1983–2008	21	52.2	46.7	43.6
03112000	1942–2008	67	87.2	74.6	67.4
03114000	1928–2003	52	41.1	31.7	26.4
04209000	1927–2008	68	95.0	83.3	76.4
04212500	1926–1979	47	30.2	24.9	21.9
04213000	1924–2008	70	70.2	59.8	53.6
04213040	1971–1996	26	1.0	.8	.7
04213075	1988–2008	21	2.3	1.9	1.6
04221000	1957–2008	37	137	120	110

Table 3. Selected base-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; —, statistic not computed]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	10-year base flow (ft³/s)	25-year base flow (ft³/s)	50-year base flow (ft³/s)
04223000	1910–2008	99	430	381	352
04224775	1976–2008	33	38.4	33.0	29.9
04227000	1960–2008	44	103	89.0	80.9

¹Climatic year is defined as 12-month period beginning April 1 and ending March 31. The climatic year is designated by the calendar year in which it ends.

²Period of record for post-regulation period.

³Period of record for pre-regulation period.

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.[ft³/s; cubic feet per second; --, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
01417500	² 1955–2008	44	44		4,730	8,750
01421000	² 1955–2005	54	54		19,700	31,000
01425000	² 1964–2008	45	45		4,690	9,060
01426500	² 1964–2008	45	45		7,420	12,500
01429000	1961–2008	48	48		1,380	2,060
01429500	1960–2008	49	49		1,520	1,920
01430000	1960–2008	43	43		3,860	5,650
01431500	1960–2008	49	49		6,640	10,200
01433500	1940–1995	56	56		1,980	3,970
01436000	² 1954–2008	55	55		871	2,830
01436500	² 1954–1993	36	36		1,500	2,820
01436690	1993–2008	16	16		5,180	9,360
01437500	² 1954–2008	55	55		5,300	9,480
01443900	1967–2008	42	42		143	235
01447680	1966–2008	42	42		350	530
01447800	1961–2008	48	48		5,690	7,860
01449000	1982–2008	27	27		12,000	17,500
01449800	1971–2008	38	38		1,300	1,570
01451000	1961–2008	48	48		18,200	27,300
01453000	1961–2008	48	48		24,100	36,200
01454700	1967–2008	42	42		26,200	38,600
01455500	1928–2008	71	80	2000	207	324
01459500	1974–2008	35	35		6,270	10,100
01464645	1986–2008	23	23		605	1,110
01464720	1991–2008	18	18		2,000	4,080
01465000	1900–1934	32	32		4,480	6,080
01465780	1964–1971	16	16		1,470	2,110
01467500	1942–1969	45	53	1951	1,450	2,640
01470960	1979–2008	30	30		2,450	3,360
01471000	1979–2008	30	30		2,670	3,690
01471510	1980–2008	29	29		17,400	26,900
01472000	1979–2008	30	30		21,200	29,800
01472500	1885–1913	29	29		4,840	6,190
01472810	1991–2008	17	17		5,670	8,720
01473500	1928–2008	23	23		35,700	49,600
01473980	1966–1971	14	14		3,490	4,490
01474500	1932–2008	77	77		41,000	61,200
01475540	1965–1973	8	8		1,690	2,330
01480675	1966–2008	42	42		245	410
01480680	1960–1969	12	12		649	845
01480685	1974–2008	35	35		358	502
01480700	1974–2008	35	35		2,310	3,590
01480870	1974–2008	35	35		3,400	5,070
01493000	1948–2008	58	58		343	642
01493500	1951–2008	57	57		367	891

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
12,300	17,800	22,800	28,600	45,700	0.228	3.686	0.309
39,700	52,100	62,400	73,600	104,000	0.206	4.302	0.228
12,800	18,400	23,300	28,800	44,100	-0.013	3.670	0.341
16,800	23,300	29,100	35,800	55,500	0.381	3.887	0.257
2,530	3,130	3,570	4,010	5,060	-0.182	3.132	0.215
2,190	2,520	2,770	3,030	3,630	0.267	3.188	0.116
7,000	8,910	10,500	12,200	16,800	0.386	3.599	0.187
13,200	17,700	21,700	26,300	39,900	0.627	3.844	0.208
6,000	9,640	13,400	18,200	35,400	0.603	3.330	0.338
5,110	9,430	13,900	19,500	38,000	-0.188	2.920	0.626
3,990	5,890	7,650	9,730	16,100	0.307	3.193	0.312
13,300	19,800	26,100	33,900	59,300	0.591	3.742	0.286
13,200	19,300	25,000	31,700	52,900	0.457	3.746	0.285
313	430	534	654	1,000	0.416	2.172	0.245
659	834	973	1,120	1,480	0.060	2.546	0.212
9,370	11,300	12,900	14,500	18,400	0.169	3.759	0.164
21,200	25,900	29,500	33,100	41,700	-0.081	4.078	0.195
1,710	1,870	1,980	2,080	2,280	-0.306	3.110	0.099
33,500	41,600	47,800	54,100	69,100	-0.107	4.256	0.212
44,500	55,000	63,000	71,000	89,900	-0.159	4.377	0.215
46,500	56,300	63,400	70,300	85,700	-0.300	4.408	0.208
425	587	735	912	1,460	0.806	2.344	0.213
12,900	16,800	19,900	23,100	31,200	-0.045	3.796	0.248
1,460	1,910	2,230	2,530	3,200	-0.591	2.748	0.348
5,790	8,290	10,400	12,600	18,500	-0.253	3.286	0.381
7,310	9,080	10,500	12,200	16,600	0.738	3.670	0.146
2,640	3,430	4,120	4,910	7,210	0.806	3.189	0.173
3,670	5,260	6,690	8,330	13,200	0.231	3.174	0.300
3,930	4,620	5,110	5,580	6,640	-0.214	3.384	0.167
4,360	5,190	5,800	6,400	7,800	-0.100	3.423	0.170
33,500	41,800	48,000	54,300	68,900	-0.234	4.232	0.234
35,800	43,400	49,300	55,300	69,900	0.067	4.329	0.174
7,180	8,520	9,610	10,800	13,800	0.704	3.699	0.118
11,100	14,300	17,000	20,000	27,800	0.228	3.761	0.216
58,900	70,800	79,700	88,600	110,000	-0.005	4.552	0.170
5,150	6,010	6,650	7,310	8,890	0.254	3.548	0.126
75,500	94,400	109,000	124,000	162,000	0.007	4.613	0.206
2,790	3,410	3,900	4,430	5,780	0.377	3.239	0.157
542	734	895	1,070	1,560	0.136	2.394	0.262
984	1,170	1,320	1,470	1,860	0.473	2.822	0.129
578	655	702	742	812	-0.874	2.524	0.206
4,410	5,410	6,120	6,790	8,250	-0.461	3.345	0.245
6,190	7,580	8,600	9,610	11,900	-0.250	3.522	0.215
900	1,300	1,660	2,060	3,250	0.143	2.543	0.318
1,530	2,910	4,560	6,990	17,900	0.815	2.622	0.422

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
01495000	1932–2008	75	75		2,850	4,720
01496000	1949–1999	36	51	1999	1,520	2,510
01496200	1967–1999	26	33	1999	1,040	2,060
01500000	² 1950–2008	59	59		1,810	2,210
01518000	1980–2008	29	29		5,640	6,330
01518700	1980–2008	29	29		6,610	7,920
01520000	1980–2008	29	29		4,440	5,340
01520500	² 1980–2008	29	29		10,500	12,300
01521500	² 1940–2008	69	69		692	858
01523500	² 1949–2008	60	60		1,390	2,090
01524500	1943–2008	66	66		3,110	4,600
01526500	² 1979–2008	30	30		21,300	27,600
01527500	1939–45, 2002–08	15	70	1972	2,770	3,520
01529000	1937–1982	46	46		755	1,280
01529950	² 1979–2008	30	30		30,200	39,600
01530332	1988–2008	21	21		32,900	43,600
01530500	² 1990–2008	18	18		2,050	2,810
01531000	² 1980–2008	29	29		38,100	51,500
01531500	1893–2008	115	115		103,000	139,000
01533400	² 1980–2008	29	29		111,000	151,000
01533500	1941–1958	18	18		2,020	4,330
01534300	1960–2008	49	49		778	963
01534500	1960–2008	49	49		2,430	3,910
01536000	1960–2008	49	49		6,320	10,500
01536500	1900–2008	109	109		121,000	165,000
01537000	1942–1993	52	52		1,050	1,710
01537500	1940–1990	51	51		512	968
01540500	1905–2008	104	104		126,000	171,000
01541200	1966–2008	43	43		4,770	5,620
01541303	1979–2008	30	30		5,680	6,690
01541308	1968–1979	12	12		296	460
01541500	1961–2008	48	48		6,170	8,900
01542500	1961–2008	48	48		19,400	29,400
01544000	1956–2008	53	53		4,910	6,130
01545000	1962–2008	47	47		4,700	5,650
01545500	³ 1908–1961	63	73		60,000	90,600
01547500	1971–2008	38	38		2,870	3,560
01548005	² 1970–2008	39	39		5,210	7,920
01548005	³ 1910–1969	58	58		10,100	14,300
01551500	² 1962–2008	46	46		81,300	122,000
01551500	³ 1900–1961	67	73		97,900	139,000
01553500	² 1967–2008	42	42		89,000	134,000
01553500	³ 1940–1966	27	31	1936	112,000	159,000
01554000	1938–2008	71	71		211,000	295,000
01554500	1940–1993	54	54		894	1,410

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
6,220	8,400	10,200	12,300	17,900	0.195	3.464	0.254
3,400	4,840	6,180	7,810	13,000	0.711	3.210	0.241
3,030	4,640	6,180	8,060	14,100	0.338	3.038	0.338
2,490	2,880	3,180	3,500	4,320	0.800	3.269	0.095
6,720	7,150	7,440	7,700	8,250	-0.125	3.750	0.061
8,850	10,100	11,100	12,100	14,700	0.838	3.832	0.086
5,890	6,520	6,970	7,400	8,360	0.003	3.648	0.095
13,200	14,200	14,900	15,500	16,600	-0.432	4.015	0.087
1,000	1,220	1,410	1,640	2,280	1.691	2.867	0.101
2,650	3,480	4,200	5,020	7,340	0.571	3.162	0.197
5,760	7,440	8,870	10,400	14,800	0.493	3.509	0.190
31,600	36,500	40,100	43,600	51,700	0.005	4.328	0.134
4,100	--	5,560	6,270	8,190	0.893	3.459	0.115
1,710	2,330	2,850	3,430	5,010	0.127	2.884	0.269
45,300	52,100	56,900	61,500	71,700	-0.190	4.476	0.144
51,000	60,500	67,900	75,400	94,000	0.254	4.523	0.141
3,300	3,910	4,360	4,810	5,840	0.074	3.309	0.165
60,600	72,500	81,600	90,900	114,000	0.180	4.585	0.152
165,000	198,000	224,000	251,000	318,000	0.231	5.017	0.154
177,000	210,000	236,000	262,000	324,000	0.112	5.050	0.153
6,640	10,700	14,800	20,000	37,500	0.360	3.329	0.375
1,060	1,150	1,210	1,260	1,350	-0.723	2.876	0.125
5,110	6,900	8,450	10,200	15,200	0.382	3.401	0.234
13,900	18,600	22,500	26,800	38,300	0.082	3.804	0.262
194,000	231,000	259,000	287,000	354,000	0.059	5.085	0.157
2,210	2,900	3,450	4,020	5,490	-0.053	3.018	0.257
1,360	1,950	2,470	3,070	4,750	0.070	2.713	0.325
202,000	241,000	272,000	302,000	377,000	0.144	5.105	0.154
6,180	6,910	7,450	8,000	9,320	0.570	3.686	0.079
7,380	8,280	8,960	9,650	11,400	0.678	3.763	0.079
585	764	912	1,070	1,510	0.245	2.481	0.220
11,000	14,100	16,700	19,700	27,800	0.591	3.808	0.177
38,200	52,300	65,300	80,900	129,000	0.946	4.318	0.197
6,870	7,740	8,360	8,960	10,300	-0.074	3.690	0.116
6,200	6,840	7,270	7,680	8,570	-0.136	3.670	0.097
114,000	148,000	177,000	208,000	293,000	0.358	4.790	0.204
3,950	4,390	4,680	4,950	5,510	-0.333	3.452	0.117
10,400	14,400	18,200	22,800	37,900	1.105	3.752	0.196
17,100	20,700	23,300	26,100	32,500	-0.032	4.003	0.179
154,000	199,000	238,000	280,000	397,000	0.413	4.924	0.199
167,000	204,000	233,000	262,000	333,000	0.069	4.993	0.179
170,000	222,000	266,000	314,000	449,000	0.434	4.964	0.202
194,000	--	286,000	331,000	451,000	0.477	5.062	0.171
357,000	441,000	510,000	582,000	773,000	0.387	5.335	0.165
1,580	2,550	3,190	3,940	6,260	0.732	2.978	0.217

Table 4. Selected flood-flow statistics for streamgauge locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

Streamgauge number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
01563200	1973–2008	36	36	1936	12,400	14,900
01563500	² 1973–2009	37	37		23,600	32,600
01563500	³ 1936–1972	35	37		26,500	45,300
01567000	² 1973–2008	36	36		38,000	55,300
01567000	³ 1900–1972	74	84		45,500	69,800
01570500	1891–2008	118	118		260,000	362,000
01573086	1963–1981	18	18		166	616
01574500	1967–2008	42	42		1,560	2,960
01575000	1972–1995	24	24		4,180	7,990
01575500	1947–2008	62	62		3,920	6,360
01576000	1932–2008	77	77	1933	266,000	382,000
01580000	1927–2008	82	82		3,610	5,640
01581500	1944–2008	34	34		1,290	2,600
01581700	1967–2008	41	41		2,420	4,750
01582000	1933–2008	64	76		2,270	3,580
01582500	1984–2008	25	25		2,650	4,140
01583000	1948–1981	34	34		154	251
01583100	1982–2008	19	19		693	1,280
01583500	1944–2008	64	64		2,140	4,140
01583600	1983–2008	25	25		1,090	1,640
01584050	1976–2008	33	33		621	1,400
01584500	1927–2008	68	68		2,710	4,820
01585095	1992–2008	16	16		395	624
01585100	1959–2008	47	47		1,300	2,210
01585200	1957–2008	42	42		681	1,190
01585300	1959–1989	29	29		1,240	2,070
01585400	1958–1987	29	29		322	643
01585500	1950–2008	60	60		244	556
01586000	1945–2008	63	63		2,280	4,030
01586210	1983–2008	26	26		716	1,260
01586610	1983–2008	26	26	1956	1,210	2,400
01587500	1948–1980	32	32		2,670	5,440
01589000	² 1955–2004	42	42		4,440	10,400
01589000	³ 1944–1954	10	10		6,990	10,800
01589100	1956–2008	42	53		628	947
01589300	1956–2008	45	45		1,620	3,080
01589330	1960–2008	38	38		1,540	2,690
01589440	1966–2008	43	43		1,070	2,260
01589500	1944–2008	39	39		76.9	125
01594930	1980–2004	26	26		384	583
01594936	1980–2007	28	28		127	258
01594950	1987–2008	22	22		139	264
01595000	1956–2008	54	54		3,240	5,290
01595200	1962–2008	47	47		1,880	3,260
01595500	1950–2008	58	58		7,500	12,200

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
15,900	16,800	17,300	17,600	18,100	-1.220	4.067	0.124
39,000	47,800	54,800	62,100	81,200	0.362	4.383	0.159
62,300	90,100	116,000	148,000	249,000	0.642	4.450	0.259
68,400	86,600	102,000	118,000	161,000	0.356	4.591	0.186
89,400	119,000	144,000	173,000	254,000	0.514	4.676	0.208
439,000	548,000	638,000	737,000	1,000,000	0.574	5.430	0.159
1,320	3,150	5,710	9,990	33,000	0.525	2.275	0.638
4,500	7,530	10,900	15,600	34,900	1.177	3.250	0.301
11,900	19,000	26,400	36,200	72,000	0.818	3.663	0.308
8,660	12,600	16,400	21,200	37,400	1.028	3.631	0.229
475,000	612,000	729,000	861,000	1,240,000	0.705	5.446	0.173
7,240	9,560	11,500	13,700	19,800	0.336	3.570	0.221
3,810	5,760	7,580	9,730	16,300	0.176	3.122	0.353
6,690	9,590	12,000	14,800	22,100	-0.119	3.377	0.354
4,620	6,150	7,460	8,910	13,000	0.343	3.369	0.225
5,190	6,570	7,620	8,690	11,300	-0.156	3.417	0.236
330	448	551	667	998	0.360	2.203	0.240
1,780	2,540	3,200	3,950	6,090	0.099	2.846	0.313
6,160	9,780	13,500	18,300	35,400	0.697	3.366	0.317
2,070	2,700	3,230	3,810	5,430	0.425	3.051	0.201
2,190	3,610	5,030	6,850	13,100	0.293	2.813	0.403
6,600	9,340	11,800	14,500	22,500	0.221	3.443	0.289
828	1,160	1,470	1,850	3,060	0.902	2.629	0.216
2,960	4,090	5,080	6,190	9,350	0.256	3.126	0.265
1,610	2,240	2,770	3,370	5,040	0.127	2.839	0.285
2,750	3,790	4,700	5,750	8,790	0.372	3.110	0.250
982	1,620	2,310	3,230	6,770	0.839	2.554	0.328
883	1,480	2,100	2,900	5,720	0.351	2.411	0.407
5,760	8,850	12,000	16,100	30,900	0.983	3.402	0.267
1,720	2,420	3,040	3,750	5,810	0.253	2.867	0.282
3,440	5,040	6,470	8,090	12,700	0.017	3.085	0.352
8,420	14,100	20,300	28,700	61,200	0.826	3.472	0.339
17,200	31,200	47,000	69,400	162,000	0.700	3.695	0.406
13,600	17,700	21,000	24,700	34,400	0.240	3.853	0.216
1,220	1,650	2,040	2,490	3,890	0.856	2.825	0.195
4,540	7,160	9,840	13,300	25,700	0.748	3.247	0.307
3,800	5,740	7,670	10,100	18,700	0.885	3.225	0.265
3,610	6,330	9,400	13,700	31,800	0.926	3.083	0.355
162	214	257	303	423	0.070	1.889	0.249
724	913	1,060	1,210	1,600	0.002	2.585	0.215
389	622	857	1,160	2,210	0.524	2.134	0.344
378	563	737	944	1,590	0.335	2.162	0.316
6,960	9,450	11,600	14,000	20,900	0.330	3.524	0.243
4,600	6,970	9,350	12,400	23,200	0.961	3.315	0.260
16,500	23,600	30,300	38,600	65,400	0.865	3.908	0.231

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
01595800	³ 1966–1981	15	15		7,750	11,800
01595800	² 1982–2008	26	26		4,800	6,290
01596500	1948–2008	60	60		1,480	2,340
01597000	1948–1981	33	33		484	843
01597500	1951–2008	58	58		2,690	4,070
01598500	² 1951–2008	58	58		7,710	11,800
01599000	1905–2008	78	78		1,860	3,000
01600000	² 1951–2008	57	57		10,600	15,400
01600000	³ 1924–1950	15	27	1924	16,500	28,500
01601500	1930–2008	79	79		6,070	10,300
01603000	² 1982–2008	27	27		12,900	19,800
01603000	³ 1929–1981	52	92		17,800	28,300
01609000	1928–2008	28	73	1936	3,980	6,710
01611500	1923–2008	85	120		13,000	24,000
01613000	1933–2008	76	76		52,400	85,100
01614500	1929–2008	80	85	1924	7,560	11,400
01617800	1964–2008	44	44		102	196
01619000	1948–2008	23	23		1,460	2,710
01619500	1900–2008	81	81		2,610	4,510
01637500	1947–2008	61	61		2,480	4,560
01639000	1942–2008	67	67		8,470	11,700
01639140	1990–2002	12	12		1,860	2,910
01639500	1948–2008	61	61		3,260	5,460
01640500	1932–1984	53	53		377	875
01640965	1982–1994	13	13		114	249
01640970	1982–1991	10	10		323	794
01641000	1950–1992	43	43		826	1,410
01641500	1948–1984	37	37		134	307
01642500	1932–1982	49	49		2,460	4,130
01643000	1930–2008	79	79		18,300	27,500
01643500	1948–2008	58	58		2,460	4,710
03012550	² 1966–1991	19	19		19,500	22,300
03012550	³ 1936–1965	30	30		34,100	44,900
03014500	1935–2008	74	74		1,300	1,590
03015000	² 1950–2008	59	59		7,460	9,610
03015000	³ 1940–1949	10	14	1936	9,260	12,700
03016000	² 1966–2008	41	41		30,900	36,300
03016000	³ 1942–1965	24	24		51,500	70,800
03020000	1941–1991	51	51		6,590	8,340
03021500	1910–1971	61	61		6,900	10,200
03021520	1972–1991	20	20		2,380	3,100
03022554	1975–1991	17	17		608	775
03023100	1989–2008	20	20		10,600	13,200
03024000	1971–2008	38	38		12,300	14,900
03025500	² 1966–2008	44	44		57,300	70,200

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
15,200	20,300	24,700	29,900	44,900	0.627	3.910	0.204
7,090	7,930	8,460	8,920	9,780	-0.691	3.663	0.158
3,060	4,160	5,140	6,270	9,630	0.588	3.193	0.220
1,170	1,720	2,250	2,890	4,990	0.659	2.714	0.267
5,130	6,630	7,870	9,220	12,900	0.296	3.439	0.207
15,100	20,300	25,000	30,400	46,400	0.712	3.911	0.202
3,940	5,370	6,620	8,060	12,200	0.460	3.288	0.232
18,700	23,000	26,200	29,500	37,300	-0.059	4.023	0.196
38,900	55,200	70,000	87,300	139,000	0.407	4.235	0.270
14,200	20,600	26,800	34,400	59,300	0.757	3.815	0.252
26,100	36,500	46,500	58,600	98,600	1.104	4.147	0.201
37,500	52,300	65,800	81,900	132,000	0.760	4.279	0.222
8,910	12,200	14,900	18,000	26,600	0.189	3.608	0.263
33,200	47,000	58,900	72,200	109,000	0.033	4.114	0.317
113,000	156,000	194,000	239,000	372,000	0.532	4.740	0.236
14,400	18,700	22,200	26,200	36,900	0.367	3.891	0.203
277	401	510	634	986	0.043	2.011	0.335
3,780	5,430	6,880	8,530	13,300	0.116	3.170	0.316
6,110	8,570	10,700	13,200	20,500	0.297	3.430	0.272
6,340	9,100	11,500	14,300	22,400	0.163	3.402	0.308
14,000	17,100	19,600	22,200	28,800	0.337	3.937	0.159
3,830	5,320	6,700	8,340	13,500	0.854	3.299	0.213
7,550	11,100	14,700	19,100	34,300	0.968	3.552	0.243
1,420	2,440	3,520	4,970	10,300	0.436	2.606	0.413
394	665	954	1,340	2,770	0.562	2.092	0.379
1,320	2,360	3,500	5,040	11,000	0.429	2.541	0.441
1,850	2,480	3,000	3,550	4,990	-0.035	2.915	0.276
505	904	1,350	1,980	4,560	0.706	2.173	0.398
5,610	8,020	10,300	13,000	21,400	0.648	3.418	0.249
34,500	44,400	52,600	61,500	85,500	0.320	4.273	0.202
7,060	11,500	16,200	22,500	46,400	0.930	3.438	0.307
23,700	25,100	26,000	26,700	28,000	-0.647	4.282	0.078
51,200	--	63,100	67,500	76,800	-0.401	4.523	0.151
1,780	2,010	2,180	2,350	2,740	0.197	3.117	0.103
11,000	12,700	14,000	15,300	18,300	0.113	3.875	0.129
14,900	17,500	19,400	21,200	25,200	-0.245	3.960	0.171
39,700	43,800	46,700	49,600	56,100	0.215	4.493	0.082
82,800	97,200	107,000	117,000	139,000	-0.258	4.705	0.171
9,440	10,800	11,700	12,600	14,800	0.004	3.819	0.121
12,600	15,700	18,100	20,600	26,800	0.030	3.840	0.202
3,540	4,040	4,390	4,710	5,420	-0.269	3.371	0.142
878	1,000	1,090	1,170	1,360	-0.081	2.782	0.127
14,800	16,600	17,800	19,000	21,500	-0.208	4.020	0.119
16,300	17,800	18,800	19,700	21,400	-0.485	4.083	0.107
77,600	86,000	91,600	96,800	108,000	-0.268	4.753	0.109

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
03025500	³ 1913–1965	51	53	1913	77,200	106,000
03027500	1953–1991	39	39		568	892
03028500	1953–2008	56	56		3,870	5,680
03031500	² 1966–2008	42	42		81,600	103,000
03031500	³ 1941–1965	42	42		101,000	133,000
03036000	1941–1991	52	52		4,870	6,540
03036500	² 1966–2008	44	44		96,500	125,000
03036500	³ 1883–1965	77	101	1865, 1873, 1881	126,000	171,000
03039000	1941–1991	51	51		3,800	4,840
03039925	1985–1998	11	11		81.4	119
03042280	1971–2008	38	38		1,300	2,520
03042500	1969–2008	40	40		3,900	7,510
03044000	² 1952–1991	40	40		17,800	23,100
03044000	³ 1940–1951	12	12		33,800	47,500
03047000	1942–1991	50	50		3,810	4,820
03048500	1942–2008	67	67		21,600	30,300
03049500	² 1966–2008	43	43		99,200	130,000
03049500	³ 1936–1965	27	30	1936	136,000	188,000
03072655	1939–2008	69	73	1936	78,500	107,000
03075070	1934–2008	75	75		86,000	115,000
03075500	1941–2008	67	67		4,200	6,380
03076500	1899–2008	85	85		6,270	8,820
03076600	1965–2008	44	44		1,580	2,320
03077500	1944–1991	48	48		5,050	6,770
03078000	1948–2008	61	61		2,000	2,960
03081000	1942–2008	67	67		16,000	22,700
03082500	1942–2008	67	67		23,600	35,300
03083500	1942–2008	67	67		28,800	43,400
03085000	1936–2004	66	69	1936	105,000	143,000
03086000	1934–2008	74	74		187,000	255,000
03086500	1941–1993	66	66		2,180	3,500
03090500	² 1943–1992	49	49		1,800	2,700
03090500	³ 1931–1942	12	12		5,560	7,410
03091500	1930–2008	79	79		1,890	2,930
03092000	1941–1993	52	52		1,090	1,660
03092090	1966–1993	42	42		920	1,410
03092460	1969–1992	23	23		552	742
03092500	² 1967–1982	15	15		859	1,280
03092500	³ 1927–1966	40	40		2,600	3,850
03093000	1926–2008	79	79		2,700	3,770
03094000	1937–2008	67	67		5,540	7,570
03095500	1944–1991	48	48		578	871
03097550	1988–2008	21	21		6,890	9,160
03098000	1922–1982	61	61		8,520	11,500
03098500	1944–2000	34	34		1,470	2,350

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
125,000	148,000	166,000	183,000	224,000	-0.036	4.887	0.163
1,180	1,630	2,040	2,540	4,080	0.796	2.782	0.215
7,050	9,000	10,600	12,400	17,100	0.398	3.601	0.188
117,000	133,000	145,000	156,000	181,000	-0.029	4.911	0.122
153,000	176,000	192,000	207,000	241,000	-0.256	4.997	0.150
7,750	9,390	10,700	12,100	15,800	0.492	3.700	0.143
143,000	166,000	182,000	198,000	236,000	0.056	4.986	0.132
201,000	238,000	265,000	292,000	356,000	-0.020	5.101	0.158
5,440	6,130	6,590	7,020	7,920	-0.331	3.573	0.132
148	188	221	256	351	0.351	1.922	0.189
3,800	6,180	8,710	12,100	24,700	0.857	3.158	0.315
11,200	18,100	25,400	35,100	71,200	0.859	3.635	0.311
26,300	30,200	33,000	35,600	41,500	-0.131	4.248	0.136
56,800	68,900	78,000	87,200	110,000	0.024	4.529	0.176
5,430	6,150	6,660	7,150	8,230	-0.111	3.579	0.123
36,600	45,200	52,100	59,400	78,500	0.348	4.345	0.167
151,000	177,000	197,000	217,000	264,000	0.154	5.000	0.138
225,000	274,000	312,000	351,000	450,000	0.226	5.140	0.163
126,000	--	170,000	189,000	234,000	0.096	4.897	0.158
133,000	--	171,000	186,000	219,000	-0.178	4.930	0.154
8,050	10,400	12,400	14,600	20,500	0.325	3.635	0.207
10,600	12,900	14,700	16,600	21,200	0.119	3.800	0.174
2,830	3,480	3,970	4,470	5,640	-0.113	3.194	0.203
7,780	8,950	9,750	10,500	12,100	-0.376	3.694	0.160
3,720	4,830	5,780	6,840	9,810	0.548	3.319	0.190
27,900	35,300	41,500	48,300	66,900	0.540	4.219	0.172
44,300	57,300	68,200	80,100	113,000	0.394	4.386	0.198
54,800	71,100	84,800	99,900	141,000	0.392	4.473	0.202
167,000	198,000	220,000	243,000	295,000	-0.056	5.020	0.160
304,000	371,000	424,000	481,000	629,000	0.438	5.283	0.151
4,560	6,120	7,450	8,930	13,100	0.300	3.349	0.236
3,340	4,210	4,880	5,590	7,340	0.032	3.256	0.209
8,540	9,860	10,800	11,700	13,600	-0.272	3.738	0.155
3,700	4,770	5,640	6,560	8,960	0.128	3.282	0.221
2,100	2,750	3,300	3,920	5,630	0.439	3.053	0.204
1,810	2,400	2,910	3,500	5,160	0.527	2.982	0.208
878	1,060	1,210	1,360	1,750	0.414	2.752	0.145
1,610	2,090	2,510	2,970	4,260	0.519	2.950	0.193
4,750	5,960	6,910	7,900	10,400	0.087	3.418	0.201
4,460	5,310	5,930	6,540	7,930	-0.155	3.428	0.175
9,010	10,900	12,500	14,100	18,100	0.328	3.752	0.154
1,050	1,270	1,410	1,550	1,840	-0.516	2.742	0.231
10,600	12,200	13,400	14,500	17,000	-0.222	3.833	0.152
13,400	--	17,700	19,500	23,800	0.025	3.931	0.153
3,040	4,040	4,870	5,780	8,260	0.203	3.174	0.238

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

Streamgage number	Period of record used in analysis ¹	Number of years of systematic record	Number of years used in analysis	Historical peak(s) used in analysis	50-percent annual exceedance (ft ³ /s)	20-percent annual exceedance (ft ³ /s)
03098600	1988–2008	21	21		9,380	12,500
03099500	1944–2000	48	48		9,420	12,600
03101500	1935–2008	75	75		902	1,150
03102000	³ 1920–1932	13	13		2,190	2,570
03102850	1966–2008	43	43		4,550	5,200
03103500	1939–1991	52	52		4,750	7,590
03105500	1916–2008	79	79		22,100	29,500
03106300	1970–2008	38	38		346	477
03106500	1969–2008	40	40		6,290	7,970
03107500	1936–2008	73	73		33,300	44,300
03110000	1941–2008	68	68		3,090	4,600
03111500	1942–2008	67	67		2,860	4,250
03111534	1884–1995	22	112	1884, 1913, 1942	221,000	297,000
03111548	1982–2008	25	25		2,660	4,160
03112000	² 1987–2008	22	22		5,590	8,310
03114000	1927–2003	53	53		6,080	9,240
04209000	1925–2008	72	72		8,900	13,400
04212500	1924–1980	54	54		4,470	6,460

¹Water year is defined as a 12-month period beginning October 1 and ending September 30. The water year is designated by the calendar year in which it ends.

²Period of record for post-regulation period.

³Period of record for pre-regulation period.

Table 4. Selected flood-flow statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed]

10-percent annual exceedance (ft ³ /s)	4-percent annual exceedance (ft ³ /s)	2-percent annual exceedance (ft ³ /s)	1-percent annual exceedance (ft ³ /s)	0.2-percent annual exceedance (ft ³ /s)	Skew	Mean	Standard deviation
14,300	16,300	17,700	19,000	21,600	-0.429	3.961	0.158
14,800	17,600	19,700	21,800	26,900	0.120	3.977	0.150
1,300	1,480	1,600	1,720	1,970	-0.170	2.952	0.128
2,800	3,050	3,230	3,390	3,750	-0.068	3.340	0.083
5,500	5,780	5,940	6,060	6,280	-0.894	3.646	0.082
9,980	13,700	17,000	20,800	32,300	0.574	3.699	0.227
34,600	41,100	46,100	51,200	63,600	0.189	4.348	0.146
571	698	800	907	1,180	0.349	2.548	0.159
8,920	9,970	10,700	11,300	12,600	-0.432	3.789	0.131
51,600	60,900	67,800	74,800	91,500	0.102	4.525	0.145
5,760	7,410	8,780	10,300	14,400	0.380	3.502	0.196
5,180	6,380	7,280	8,180	10,300	-0.155	3.451	0.209
348,000	415,000	465,000	517,000	642,000	0.166	5.349	0.149
5,260	6,770	7,970	9,240	12,500	0.043	3.427	0.229
10,700	14,600	18,200	22,600	36,300	1.080	3.780	0.187
11,500	14,600	17,000	19,500	25,900	0.027	3.785	0.216
16,900	21,700	25,700	30,100	41,600	0.279	3.959	0.205
7,830	9,590	10,900	12,300	15,600	-0.035	3.649	0.192

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01411456	1988–2008	20	10.5	3.2	0.1	0.7	1.2	1.6	2.1
01411500	1933–2008	75	163	120	39.1	55.1	67.4	76.9	86.4
01412000	1932–1984	32	37.1	26.8	7.0	12.3	16.0	18.2	20.4
01412800	1978–2008	15	36.0	28.0	12.1	16.6	18.6	20.5	22.3
01413500	1937–2008	71	315	81.1	12.4	21.0	30.8	43.1	58.0
01414000	1942–2008	32	68.3	14.6	2.0	3.4	5.0	7.6	11.2
01414500	1937–2008	71	56.0	15.8	2.5	4.1	6.1	8.4	11.4
01415000	1937–2008	71	60.0	13.9	1.8	3.5	5.5	7.7	10.5
01417000	² 1955–2008	53	226	25.4	5.6	6.9	8.0	9.0	16.9
01417000	³ 1942–1954	12	713	210	30.1	52.9	75.0	102	134
01417500	³ 1935–1954	19	871	256	40.1	67.0	96.2	133	173
01417500	² 1955–2008	43	386	158	39.0	65.7	80.1	92.6	103
01420000	1925–1981	56	44.9	12.6	2.2	3.7	5.1	6.6	8.2
01420500	1914–2008	94	568	203	40.3	61.7	85.8	109	134
01421000	³ 1913–1954	41	1,690	566	108	166	232	294	354
01421000	² 1955–2008	53	1,150	506	129	188	240	288	332
01421900	1937–2008	45	241	55.6	7.9	14.4	20.7	28.8	39.0
01422500	1938–2008	44	93.4	18.0	2.4	4.3	6.5	9.9	14.4
01423000	1951–2008	57	600	153	24.3	40.0	58.5	81.0	106
0142400103	1953–2008	26	35.1	3.8	.4	.8	1.4	2.2	3.3
01425000	³ 1953–1963	10	768	206	40.6	56.7	74.3	94.3	121
01425000	² 1964–2008	44	619	66.7	9.6	14.8	24.8	32.9	39.9
01425675	1970–1981	11	9.0	1.9	.1	.3	.6	.9	1.2
01426000	1941–1973	32	110	16.4	2.0	3.7	5.6	8.3	12.5
01426500	² 1964–2008	44	856	303	46.1	97.0	134	168	202
01426500	³ 1913–1963	50	1,050	298	51.0	80.2	118	155	198
01427500	1941–1982	41	177	45.6	7.0	13.1	18.6	24.4	31.0
01427510	² 1976–2008	32	2,900	1,460	499	683	817	905	992
01428500	1941–2008	67	3,340	1,480	309	616	807	920	1,030
01428750	1987–2008	21	84.7	26.5	5.8	8.0	10.0	13.0	16.0
01429000	² 1961–2008	47	109	34.6	6.2	10.6	14.9	19.3	23.9
01429000	³ 1945–1960	15	117	37.3	8.2	11.0	15.0	19.0	23.0
01429500	² 1960–2008	48	118	27.3	3.8	7.4	11.1	15.2	20.1
01429500	³ 1944–1959	15	114	25.9	4.0	6.6	9.5	13.7	17.8
01430000	² 1960–2008	32	289	82.3	14.1	22.7	31.7	43.4	57.9
01430000	³ 1949–1959	10	302	84.9	17.0	24.3	32.1	39.8	48.7
01430500	1923–1938	15	350	125	27.7	39.1	53.0	65.8	79.2
01431000	1946–1960	14	133	26.2	3.6	6.7	9.8	13.0	17.0
01431500	³ 1909–1959	28	487	133	23.1	37.4	49.3	63.1	80.9
01431500	² 1960–2008	48	504	--	25.1	40.1	55.4	73.4	93.7
01432000	³ 1910–1925	15	397	108	28.6	42.8	59.9	78.6	98.4
01433500	1940–1995	55	344	119	19.2	28.6	41.2	61.5	85.8
01434000	1905–2008	103	5,260	2,440	518	946	1,270	1,490	1,650
0143400680	1991–2008	17	32.7	13.8	3.2	4.7	6.6	8.2	9.8
01434017	1992–2008	16	73.2	33.3	7.2	10.9	15.1	19.1	23.0

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
3.4	5.1	7.1	9.6	12.9	16.9	19.9	24.0	33.2	57.7
103	123	143	168	193	232	253	282	341	498
24.4	28.3	32.7	37.1	43.2	49.7	56.7	64.0	80.7	132
24.7	27.1	30.0	33.2	36.3	42.5	47.3	56.1	76.3	163
90.4	130	180	244	328	456	565	726	1,040	2,280
19.0	28.3	39.4	52.9	71.9	101	125	157	230	508
17.7	24.7	33.5	44.2	58.7	80.8	97.7	126	181	415
17.0	25.1	34.7	46.5	62.5	87.4	107	139	200	432
21.9	45.6	59.9	76.4	103	248	417	645	986	2,660
201	287	408	566	778	1,080	1,300	1,660	2,330	4,630
258	365	504	683	934	1,290	1,580	1,980	2,830	5,660
127	153	188	242	339	525	648	786	1,280	3,100
12.5	17.2	22.6	30.5	41.7	60.3	75.8	102	162	380
188	250	328	428	568	786	980	1,270	1,850	4,010
517	705	962	1,300	1,760	2,460	3,050	3,910	5,480	10,700
425	535	661	803	1,060	1,540	1,910	2,560	3,850	7,890
64.4	94.3	133	183	250	352	440	569	821	1,800
24.4	35.9	50.2	69.1	95.0	138	170	221	329	731
165	240	334	454	618	886	1,070	1,370	2,010	4,250
7.0	11.0	18.0	25.0	35.0	50.0	63.0	83.0	122	270
187	279	394	559	782	1,150	1,420	1,830	2,610	5,950
59.2	181	324	487	746	1,040	1,240	1,550	2,170	4,230
1.9	3.1	4.6	6.3	8.6	13.0	16.1	21.6	34.5	73.8
21.7	34.7	51.9	74.2	106	157	195	260	415	936
288	392	513	681	917	1,250	1,500	1,890	2,810	5,460
299	421	570	775	1,070	1,550	1,880	2,430	3,570	7,440
46.4	64.4	87.2	121	169	246	307	410	640	1,390
1,160	1,320	1,560	1,900	2,650	4,010	5,070	6,590	9,440	12,600
1,240	1,470	1,810	2,330	3,210	4,720	5,780	7,470	10,500	13,000
24.0	33.0	45.0	59.0	77.0	108	136	181	292	664
34.1	45.2	59.5	78.6	106	151	191	253	389	773
33.0	44.0	60.0	84.0	115	160	194	252	379	848
31.0	44.3	60.0	79.7	106	150	190	261	442	1,090
26.5	38.6	54.7	76.8	108	154	193	257	411	955
87.2	120	159	207	279	397	487	641	1,010	2,290
74.1	107	155	225	312	437	542	703	1,040	2,390
112	152	199	262	343	472	586	789	1,180	2,450
29.0	42.0	60.0	86.0	125	180	224	299	452	1,130
124	180	247	339	473	693	855	1,120	1,720	3,870
140	197	264	348	475	691	865	1,170	1,826	3,970
138	181	242	323	442	632	755	937	1,260	2,340
146	213	284	362	440	558	628	717	806	1,520
2,020	2,500	3,160	4,060	5,370	7,420	9,120	10,900	12,700	14,200
13.3	16.5	20.3	24.7	30.7	39.7	47.6	61.8	100	284
30.1	37.5	46.6	57.5	71.4	92.5	108	142	218	581

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01434021	1991–2008	17	2.7	.8	<.1	.1	.3	.4	.5
01434025	1984–2008	24	10.7	3.5	.2	.9	1.6	2.2	2.7
01434498	1992–2008	16	111	45.8	8.5	13.4	19.6	26.3	32.2
01435000	1938–2008	68	194	77.6	15.2	25.2	35.5	45.9	55.7
01436000	² 1954–2008	54	58.4	15.0	4.1	4.7	5.5	7.0	12.1
01436000	³ 1942–1953	11	263	112	19.1	33.0	45.2	57.4	69.0
01436500	² 1954–1993	35	89.9	46.2	16.1	19.7	23.7	27.4	31.4
01436500	³ 1938–1953	15	300	122	25.2	37.5	51.0	64.7	78.6
01436690	1993–2008	15	246	127	38.3	57.1	70.7	80.8	90.6
01437500	² 1954–2008	54	442	224	63.2	88.5	110	130	149
01437500	³ 1938–1953	15	636	251	55.0	78.8	104	129	154
01438500	1940–2008	68	5,830	3,000	827	1,370	1,570	1,740	1,930
01439500	1909–2008	99	238	68.6	9.0	17.0	27.0	38.0	52.0
01440000	1924–2008	84	112	41.9	8.2	13.2	17.7	21.9	27.0
01440200	1965–1995	30	6,210	3,490	1,090	1,530	1,800	2,020	2,200
01440400	1958–2008	50	140	45.5	7.6	12.0	17.0	23.0	30.0
01441000	1912–1938	26	121	59.1	16.5	23.4	28.7	34.3	40.0
01442500	1951–2008	57	573	228	50.0	73.0	95.0	119	145
01443280	1993–2008	15	22.5	12.5	1.9	5.5	7.2	8.3	9.4
01443500	1922–2008	85	201	83.1	17.7	26.9	35.3	43.9	53.3
01443900	1967–2008	41	10.9	2.9	.2	1.0	1.3	1.6	1.8
01445000	1940–2008	28	49.6	17.4	2.5	4.5	6.6	9.3	12.5
01445500	1922–2008	86	160	79.8	19.2	28.9	36.2	44.1	52.4
01446000	1923–2008	43	54.9	17.0	2.4	4.5	6.6	9.3	12.5
01446500	1923–2008	85	7,990	4,010	1,100	1,570	1,980	2,260	2,540
01446600	1962–1978	16	16.8	2.1	.1	.5	.9	1.4	2.0
01447500	1944–2008	64	192	78.0	14.0	23.0	32.0	42.4	53.0
01447680	² 1970–2008	38	47.4	22.4	4.1	7.6	11.0	14.1	16.9
01447720	³ 1962–1985	23	263	126	30.0	42.0	54.0	67.0	81.0
01447720	² 1986–2008	22	280	—	32.2	49.1	64.2	78.8	94.2
01447800	1958–2008	50	640	264	51.1	80.3	115	149	182
01448000	1917–1959	42	669	308	73.6	106	139	169	198
01448500	1949–1996	47	4.9	2.0	.4	.7	.9	1.2	1.4
01449000	1983–2008	25	1,340	664	160	231	300	364	435
01449360	1967–2008	41	104	57.6	15.0	22.0	28.0	32.0	38.0
01449800	1968–2008	40	170	75.0	16.1	30.0	36.7	42.6	48.3
01450500	1940–2008	68	153	74.4	18.0	27.0	35.0	42.0	49.0
01451000	² 1961–2008	47	1,880	916	212	324	413	505	606
01451000	³ 1947–1960	13	1,940	936	225	329	425	521	622
01451500	1946–2008	62	104	72.0	28.0	35.0	41.0	45.0	50.0
01451650	1987–2008	21	138	96.2	39.0	48.2	55.3	61.5	67.8
01451800	1966–2008	42	94.2	23.4	3.5	7.2	11.0	15.0	19.0
01452000	1945–2008	63	118	28.2	3.7	7.7	12.0	17.0	22.0
01452500	1949–2008	59	55.3	36.7	11.0	17.0	21.0	24.0	26.0
01453000	² 1928–2008	47	2,510	1,410	374	556	699	822	950

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
.8	1.0	1.3	1.7	2.2	3.0	3.8	5.3	9.1	31.7
3.7	4.9	6.2	7.8	10.0	14.0	17.0	21.8	35.4	86.6
43.2	54.8	67.6	83.3	105	140	168	216	333	941
74.6	95.2	120	148	190	255	309	396	583	1,490
15.6	21.6	25.3	35.2	45.6	60.2	76.2	111	219	582
93.9	124	160	209	272	362	432	542	774	1,890
39.5	47.2	55.6	64.3	78.6	103	135	190	289	640
107	139	179	232	301	411	496	636	926	2,210
109	126	143	169	204	278	353	484	749	1,850
190	234	284	347	441	593	731	946	1,340	2,540
214	295	393	521	696	954	1,130	1,380	1,960	4,000
2,340	2,870	3,570	4,570	6,020	8,330	9,910	11,500	13,100	14,400
85.0	120	160	210	271	362	428	526	706	1,270
40.2	56.1	73.4	94.3	123	163	193	245	342	711
2,600	3,120	3,840	4,890	6,400	8,680	10,300	11,900	13,500	14,800
48.0	66.0	87.0	111	143	196	237	301	435	918
52.0	64.9	80.3	101	130	170	196	250	348	735
207	274	356	454	590	805	966	1,220	1,750	3,500
12.0	14.6	17.4	20.5	24.6	31.4	36.5	45.4	62.0	110
76.1	103	137	177	228	298	347	433	594	1,180
2.4	3.2	4.7	7.8	12.3	18.0	21.1	26.3	39.1	83.0
19.8	27.7	37.4	48.5	62.7	80.7	92.2	108	141	228
69.9	89.6	114	146	186	243	280	338	448	769
19.2	27.4	37.6	48.5	62.8	83.6	99.5	124	169	315
3,220	4,080	5,190	6,660	8,650	11,100	12,300	13,500	14,700	15,700
3.3	5.1	7.3	10.6	15.2	22.6	29.0	39.5	64.1	146
78.0	102	130	162	205	270	320	394	551	1,100
22.1	27.8	34.3	42.0	51.9	66.8	79.8	97.7	137	256
110	141	179	220	275	360	436	545	783	1,580
126	157	191	236	293	382	443	554	774	1,710
254	334	426	535	678	914	1,080	1,360	1,980	3,880
269	346	449	576	746	998	1,170	1,400	1,890	3,490
1.9	2.5	3.2	4.0	5.1	6.7	7.8	9.6	14	30
583	748	934	1,150	1,450	1,890	2,280	2,800	3,890	7,570
49.0	61.0	76.0	93.0	113	144	168	204	278	520
64.0	85.8	108	138	177	239	288	370	544	1,080
64.0	80.0	100	125	158	206	246	306	440	900
808	1,050	1,310	1,640	2,050	2,720	3,200	4,000	5,530	10,100
831	1,070	1,360	1,750	2,210	2,840	3,220	3,970	5,380	9,990
60.0	70.0	82.0	95.0	112	136	151	175	224	420
80.6	94.6	110	129	147	179	196	236	311	609
27.0	36.0	49.0	65.0	89.0	127	159	212	325	749
33.0	45.0	62.0	83.0	112	157	194	253	389	937
31.0	36.0	42.0	50.0	60.0	75.0	85.0	99.0	127	238
1,210	1,500	1,830	2,240	2,770	3,540	4,120	5,100	7,020	11,200

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01453000	³ 1903–1927	19	2,120	1,100	329	436	529	617	713
01454700	1967–2005	38	2,870	1,720	526	709	862	1,000	1,150
01455160	1971–1983	10	3.8	1.0	<.1	.2	.4	.6	.8
01455500	1929–2008	52	45.1	12.1	1.1	6.0	8.6	10.5	12.1
01457000	1904–2008	90	241	149	43.8	65.2	77.0	88.3	100
01459500	² 1974–2008	34	169	18.6	2.5	4.2	6.3	9.3	13.7
01459500	³ 1936–1973	37	140	9.3	.9	2.1	3.8	5.4	7.4
01463500	1913–2008	95	11,900	6,270	1,730	2,510	3,040	3,560	4,050
01463620	1973–2008	22	48.6	19.8	2.6	6.9	10.0	13.3	16.0
01464000	1924–2008	84	135	65.9	15.2	25.1	32.7	39.6	45.7
01464500	1941–2008	66	133	75.6	22.1	32.3	39.9	46.3	52.7
01464645	1986–2008	22	33.0	14.4	3.4	4.5	5.6	6.4	8.0
01464720	1991–2008	17	43.2	13.4	3.7	5.3	6.5	7.5	8.4
01465000	1886–1934	16	226	39.6	5.5	10.7	14.8	19.3	24.7
01465500	1935–2008	73	306	80.6	13.8	24.3	34.4	43.8	54.0
01465770	1965–1981	16	7.3	2.7	.2	.9	1.2	1.5	1.8
01465798	1966–2008	42	32.4	8.8	1.7	3.2	4.2	5.2	6.0
01465850	1962–2008	21	94.7	47.0	9.9	15.3	20.3	25.9	32.8
01466500	1954–2008	54	2.1	1.7	.2	.9	1.1	1.2	1.3
01467000	1922–2008	86	170	116	38.0	50.8	61.1	70.8	80.1
01467042	1965–1981	17	66.4	33.3	8.7	12.8	15.8	18.7	21.7
01467048	1966–2008	42	90.6	42.4	13.0	17.0	21.0	24.0	27.0
01467050	1966–1981	15	5.8	1.6	.1	.3	.6	.9	1.1
01467081	1968–2008	39	18.6	8.6	3.0	4.0	4.6	5.3	5.8
01467086	1966–1988	25	26.2	13.8	4.0	6.0	7.2	8.1	9.0
01467087	1983–2008	25	41.4	12.7	3.0	5.2	6.8	8.0	9.2
01467089	1966–1982	16	56.8	20.9	5.5	8.4	10.5	12.3	13.7
01467150	1964–2008	44	32.8	18.4	5.5	8.0	10.1	12.1	13.6
01467500	1944–1969	25	99.3	54.5	17.5	23.5	28.1	32.1	36.0
01468500	1948–2008	42	282	155	46.0	62.0	75.0	89.0	102
01469500	1920–2008	88	86.4	32.4	6.1	9.7	14.0	18.3	22.9
01470500	1948–2008	60	723	344	91.0	127	158	191	223
01470756	1973–1995	22	265	97.2	17.0	30.0	42.0	52.0	64.0
01470779	1975–2008	33	111	74.7	27.0	34.0	42.0	47.0	52.0
01470853	1983–2005	22	6.9	3.0	.3	1.1	1.5	1.8	2.1
01470960	² 1979–2008	29	281	139	37.8	53.3	65.6	80.0	92.1
01470960	³ 1966–1978	12	276	150	35.4	54.2	68.7	82.7	94.9
01471000	² 1979–2008	29	332	175	50.1	68.7	86.0	103	118
01471000	³ 1951–1978	27	312	168	50.0	65.0	85.0	98.0	113
01471510	² 1979–2008	29	1,630	846	241	329	397	458	527
01471510	³ 1915–1930	11	1,490	687	152	219	292	367	422
01471875	1994–2008	14	94.0	49.5	13.4	20.1	25.0	29.2	33.1
01471980	1975–2004	29	131	67.3	21.0	28.0	34.0	39.0	44.0
01472000	² 1979–2008	29	2,000	1,070	322	432	519	597	685
01472000	³ 1928–1978	50	1,900	967	260	367	457	545	636

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
932	1,190	1,480	1,810	2,300	3,040	3,610	4,480	6,120	10,200
1,420	1,750	2,110	2,500	3,120	4,020	4,720	5,680	7,680	11,500
1.3	2.0	2.7	3.6	4.6	5.9	7.0	8.7	12.3	22.3
15.0	22.7	30.4	35.8	48.8	73.7	89.8	110	146	235
125	153	187	228	277	347	404	467	598	1,040
22.8	34.1	50.4	76.5	116	198	277	416	716	1,960
14.0	24.0	37.0	56.0	87.0	145	204	325	610	1,790
5,160	6,500	8,140	10,200	12,200	14,300	15,300	16,300	17,300	18,100
20.8	26.7	33.8	42.3	53.3	69.4	82.9	103	144	263
58.6	72.8	88.9	110	140	186	224	282	414	775
65.3	78.4	92.8	109	134	169	195	254	388	808
19.6	23.8	26.2	29.0	33.0	37.0	43.1	57.2	90.7	209
10.7	13.8	17.4	22.2	30.5	47.4	62.6	85.7	149	460
39.0	61.7	90.3	122	168	248	319	454	866	2,790
78.9	109	146	192	254	352	441	598	1,050	3,190
2.3	3.0	3.7	4.5	5.3	7.0	8.7	12.5	25.1	86.7
7.8	9.7	12.0	15.0	19.0	28.0	39.0	61.0	125	409
46.3	59.0	72.4	86.5	105	136	157	192	257	476
1.5	1.6	1.9	2.1	2.4	2.9	3.1	3.7	4.6	6.8
98.8	119	141	167	195	242	267	318	404	620
27.8	35.1	42.8	51.1	62.3	79.7	93.4	121	194	569
34.0	42.0	50.0	61.0	75.0	99.0	121	169	285	810
1.4	1.7	2.0	2.4	3.1	4.7	6.5	10.8	23.0	77.5
6.9	8.1	9.5	11.6	14.4	19.8	25.2	36.7	68.4	180
11.0	13.0	16.0	19.0	23.0	29.0	35.2	48.0	81.0	202
11.6	14.1	16.9	20.4	25.7	36.6	49.3	78.7	165	501
16.6	19.7	23.4	29.0	36.6	52.7	71.3	121	239	601
16.4	19.1	21.8	25.1	29.2	36.7	44.3	59.2	99.4	255
45.0	54.7	65.2	82.2	105	140	167	201	272	540
129	160	197	242	303	391	455	557	756	1,500
32.1	41.7	53.6	68.5	88.5	123	146	186	264	584
289	364	458	577	741	998	1,200	1,490	2,100	4,230
88.0	115	150	190	250	348	434	570	856	2,050
61.0	73.0	85.0	99.0	117	142	159	188	254	515
2.9	3.8	4.9	6.2	7.8	10.0	11.8	14.8	20.2	38.3
115	147	185	232	290	381	446	572	850	1,800
119	146	183	230	292	378	443	557	787	1,650
146	183	227	280	347	446	538	681	993	1,990
140	171	212	265	335	430	501	607	833	1,700
686	891	1,130	1,410	1,790	2,330	2,740	3,320	4,780	9,060
547	720	941	1,200	1,560	2,100	2,480	3,230	4,910	9,170
42.1	53.4	65.0	80.0	98.0	124	142	174	252	607
56.0	69.0	85.0	105	129	169	197	246	369	889
879	1,100	1,370	1,720	2,150	2,800	3,240	4,080	5,680	10,500
820	1,030	1,300	1,630	2,070	2,690	3,160	3,850	5,200	9,830

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01472157	1969–2008	39	91.1	43.0	11.0	16.0	20.0	24.0	27.0
01472174	1967–1983	16	10.4	5.4	1.6	2.4	2.8	3.2	3.6
01472198	1982–2008	26	62.8	31.2	8.7	13.0	15.0	18.0	20.0
01472199	1982–2008	26	39.5	17.8	4.8	6.7	8.0	9.4	11.0
01472500	1886–1913	13	251	75.0	17.6	28.3	35.7	41.6	46.8
01472620	1984–2008	24	30.2	.9	.1	.5	.9	2.3	6.5
01472810	1991–2008	16	127	68.9	23.0	33.5	40.9	47.1	51.9
01473000	³ 1915–1956	41	389	115	18.2	31.4	42.6	52.9	63.6
01473000	² 1957–2008	51	429	--	38.1	52.9	64.2	77.3	91.3
01473120	1967–1994	27	79.2	14.6	2.2	4.6	6.5	8.1	9.8
01473169	1983–2008	25	33.6	23.1	9.1	12.6	14.5	16.3	17.4
01473500	1928–2008	11	2,850	1,170	246	375	503	637	784
01473900	1962–2008	15	62.6	24.1	6.4	8.7	11.3	13.8	16.3
01473950	1966–1981	15	83.2	40.7	11.3	16.1	19.8	23.5	27.0
01474000	1966–2008	42	107	54.5	17.0	24.3	29.3	33.1	37.0
01474500	1932–2008	76	2,800	876	111	296	454	605	734
01475000	1940–2006	39	11.8	9.8	4.2	5.7	6.8	7.4	7.9
01475300	1972–1997	25	9.0	4.7	1.4	2.0	2.5	2.8	3.2
01475510	1964–1990	26	64.3	37.1	12.0	17.0	20.0	23.0	26.0
01475530	1965–1981	20	7.4	4.0	1.5	1.8	2.2	2.5	2.8
01475550	1964–1990	26	30.4	5.4	.3	1.6	3.8	6.1	7.6
01475850	1982–2008	26	23.8	11.8	2.7	4.5	5.9	7.1	8.4
01476480	1987–2008	20	44.1	21.1	4.7	7.6	10.2	12.8	15.1
01476500	1932–1954	22	43.3	24.8	5.4	9.9	13.3	15.8	17.9
01477000	1932–2007	74	91.9	50.6	13.5	22.2	28.0	32.0	36.0
01477120	1966–2008	42	39.5	24.6	7.6	12.4	14.3	16.2	17.9
01477800	1946–2008	62	10.4	1.8	.1	.4	.7	1.0	1.2
01478000	1943–2008	65	29.1	8.6	1.5	3.1	4.3	5.4	6.5
01478500	1952–1979	24	87.7	47.2	12.5	20.2	25.5	30.0	34.6
01479000	1932–2008	67	117	61.7	16.0	26.2	32.6	38.4	43.8
01479820	1988–2008	20	42.3	22.7	5.3	11.0	13.0	15.0	17.0
01480000	1943–2008	65	64.6	36.4	11.6	16.6	19.5	22.4	25.1
01480015	1989–2008	20	77.2	--	12.9	18.4	22.2	25.3	28.4
01480100	1964–1980	16	10.1	3.0	.3	1.2	1.6	1.8	2.1
01480300	1961–2008	47	26.7	12.6	3.2	5.6	6.8	7.8	8.8
01480500	³ 1944–1993	31	64.0	33.4	9.4	13.4	16.6	19.8	12.0
01480500	² 1994–2008	14	62.9	27.9	6.1	11.1	14.0	16.6	19.3
01480617	1970–2008	38	86.0	47.8	16.1	21.3	25.7	29.5	32.8
01480675	1967–2008	41	12.8	4.5	.7	1.5	2.1	2.6	3.2
01480685	1974–2008	34	30.4	10.5	.6	4.0	6.9	8.4	9.7
01480700	² 1974–2008	34	93.6	50.6	15.5	21.8	26.0	29.9	33.6
01480800	1959–1968	9	86.7	44.1	13.7	19.2	23.6	27.2	30.8
01480870	1972–2008	36	151	83.0	28.4	37.0	42.6	47.6	53.5
01481000	³ 1912–1973	52	385	225	69.0	100	118	138	158
01481000	² 1974–2008	35	447	--	73.8	106	126	144	163

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
36.0	46.0	58.0	72.0	90.0	116	136	173	256	625
4.4	5.4	6.6	8.0	9.5	12.0	13.0	17.0	26.0	93.6
25.0	32.0	40.0	50.0	61.1	79.0	92.0	115	171	442
14.0	19.0	25.0	31.0	38.0	49.0	58.0	74.0	111	281
59.6	78.2	105	140	188	269	343	482	895	2,860
13.7	17.3	22.6	32.5	44.2	55.0	58.6	62.2	65.8	108
59.1	66.3	73.4	80.6	89.7	121	149	212	385	1,180
88.4	124	169	230	315	450	577	803	1,470	4,070
121	149	192	250	331	477	611	876	1,580	4,160
14.0	20.0	28.0	40.0	54.0	79.0	101	144	293	1,060
19.7	21.9	25.1	28.5	33.8	40.5	46.3	55.5	77.4	197
1,120	1,490	1,860	2,340	2,980	3,960	4,780	6,040	8,890	12,600
21.1	26.7	33.2	40.9	52.5	70.5	84.9	112	188	609
33.8	41.2	49.7	60.2	73.6	94.1	111	146	249	772
44.6	52.9	62.4	74.9	90.6	117	142	189	328	971
1,020	1,350	1,750	2,270	2,980	4,010	4,840	6,090	8,850	12,300
8.8	9.8	10.7	11.7	13.2	14.9	15.7	18.5	22.0	41.4
4.0	4.9	5.9	7.2	8.7	11.0	12.8	15.6	23.6	68.8
31.0	37.0	45.0	52.0	61.0	75.0	86.0	107	172	443
3.2	3.9	4.4	5.1	5.8	7.4	8.9	12.0	23.0	65.1
9.9	12.5	15.2	18.4	21.7	30.2	37.4	58.5	122	322
11.0	13.0	15.0	18.0	22.0	27.0	32.0	40.0	62.8	182
20.0	24.9	30.3	36.5	44.4	55.6	64.0	80.2	121	308
22.2	26.6	31.7	37.1	44.9	56.0	63.9	79.0	109	268
44.1	52.5	62.1	74.2	88.4	109	131	160	250	643
21.2	25.0	29.3	34.2	40.0	48.2	55.7	66.0	99.0	254
1.7	2.3	3.0	3.9	5.3	8.1	11.4	18.9	41.9	150
8.5	11.0	13.6	16.4	20.5	26.8	34.1	48.7	101	370
43.0	51.2	61.2	72.9	86.2	108	128	151	221	616
54.6	65.3	78.8	94.1	113	142	164	198	305	890
20.0	24.0	29.0	34.0	40.0	49.0	54.0	64.0	95.7	324
30.9	36.9	44.7	53.5	63.5	79.7	90.7	109	164	447
35.5	43.2	51.6	62.0	75.2	92.4	106	133	195	541
2.9	3.6	4.4	5.3	6.6	9.1	12.2	18.3	37.8	122
11.0	13.0	15.0	18.0	22.0	27.0	32.0	42.0	77.0	257
29.6	13.7	44.0	51.8	62.0	77.7	88.1	113	181	455
25.2	31.8	38.8	47.7	59.4	76.5	88.1	116	186	533
39.8	48.2	58.2	69.6	84.0	104	121	149	236	590
4.4	6.0	7.9	9.9	12.0	16.0	19.0	25.0	42.0	97.0
11.8	14.1	17.1	22.2	32.3	50.4	58.2	66.1	86.3	203
41.5	50.4	62.1	77.8	98.3	128	146	185	266	581
38.2	46.6	56.3	67.6	84.0	108	132	165	241	617
67.1	83.0	102	127	156	195	234	291	431	967
193	231	274	325	393	498	575	700	985	2,240
203	253	311	382	467	586	690	844	1,200	2,730

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01481500	² 1974–2008	34	504	278	80.3	117	140	162	184
01481500	³ 1947–1973	26	460	252	72.7	102	126	148	169
01482500	1940–2008	50	19.8	7.0	.8	2.9	4.2	5.3	6.5
01483200	1957–2008	51	4.9	1.1	.1	.3	.5	.8	1.1
01483700	1958–2008	50	38.2	7.9	.6	2.2	3.7	5.3	7.0
01484000	1932–2008	31	17.8	7.0	1.5	2.4	3.1	3.6	4.2
01484100	1959–2008	49	3.6	1.6	.1	.4	.7	1.1	1.3
01484270	1972–2005	12	12.9	10.7	4.3	5.8	6.9	7.6	8.3
01493000	1948–2008	58	25.5	13.1	4.3	6.1	7.4	8.4	9.3
01493500	1952–2008	55	11.0	5.8	1.8	2.7	3.3	3.8	4.2
01495000	1932–2008	76	69.7	37.7	10.0	16.6	20.6	24.1	27.4
01496000	1949–1984	35	36.1	12.9	3.1	4.8	6.4	7.7	9.0
01496200	1968–1992	24	12.3	5.7	1.5	2.3	3.0	3.6	4.1
01496500	1930–1995	60	171	35.2	4.0	8.2	14.2	21.0	29.3
01500000	² 1950–2008	58	178	34.4	4.3	9.3	13.1	17.6	24.7
01500500	1939–2008	62	1,620	499	90.0	142	195	255	321
01502000	1939–1995	56	99.4	25.7	4.1	7.2	10.4	13.8	17.4
01502500	1930–2008	69	861	259	51.1	75.7	101	129	161
01503000	1913–2008	95	3,630	1,100	202	312	431	562	711
01505000	1939–2008	60	407	131	24.9	40.3	53.2	65.7	80.8
01508803	1967–1986	15	126	62.4	15.9	23.5	30.1	35.5	41.1
01509000	1939–2008	68	505	174	34.9	54.9	71.4	87.0	108
01510000	1939–2008	64	273	64.6	10.1	17.4	24.7	33.0	43.3
01512500	1913–2008	95	2,460	769	150	228	309	391	481
01515000	1937–2008	66	7,860	2,350	423	654	885	1,170	1,500
01516350	1977–2008	31	218	56.3	11.2	15.7	21.3	27.7	35.5
01516500	1955–2008	53	12.7	1.1	.1	.3	.5	.7	1.0
01518000	² 1978–2008	30	480	106	26.1	32.7	39.2	47.3	58.2
01518000	³ 1939–1977	38	331	61.2	9.8	17.1	23.8	31.0	39.1
01518700	² 1980–2008	28	540	128	28.9	41.2	50.5	59.2	69.3
01518862	1984–2008	24	110	14.4	1.6	3.3	5.3	7.3	9.9
01520000	² 1980–2008	28	326	49.5	9.9	14.4	18.1	22.0	26.5
01520000	³ 1952–1978	26	294	27.0	3.0	6.2	10.0	15.0	21.0
01520500	² 1980–1995	15	833	189	40.1	63.5	77.1	90.4	107
01520500	³ 1930–1979	49	802	129	18.0	34.1	48.4	66.9	85.0
01521500	² 1940–2008	68	36.3	5.0	.4	1.3	1.8	2.4	3.0
01523500	² 1949–2008	59	67.7	19.0	4.5	6.7	8.4	10.2	12.0
01524500	1943–2008	65	162	51.3	13.6	18.6	23.1	26.9	31.1
01526500	² 1979–2008	29	1,480	368	83.8	114	139	170	206
01526500	³ 1919–1978	59	1,380	255	44.1	70.8	98.3	127	159
01527000	1951–1981	30	56.5	18.5	4.0	6.1	7.9	9.5	11.9
01527500	1939–2008	15	191	64.3	13.7	21.3	27.4	33.7	40.3
01528000	1937–1995	58	76.1	7.5	1.0	1.8	2.6	3.7	5.1
01529000	1937–1982	45	42.0	5.8	1.0	1.8	2.4	3.0	3.7
01529500	1919–2008	89	466	127	27.0	39.0	51.0	64.0	76.0

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
235	294	358	434	533	672	770	949	1,320	3,080
212	260	323	402	498	623	733	884	1,200	2,780
8.3	10.2	12.9	15.4	18.8	23.2	27.3	36.2	59.5	161
1.6	2.2	2.9	3.8	4.9	6.6	8.0	10.4	15.8	38.4
10.6	15.3	21.5	28.9	38.6	54.2	65.1	85.3	134	296
5.7	7.8	10.4	13.8	18.0	23.7	28.1	36.2	55.3	142
1.8	2.3	2.8	3.4	4.2	5.1	5.9	6.8	8.9	20.8
9.5	10.8	12.1	13.7	15.3	17.9	19.5	21.1	24.8	35.5
11.7	14.3	17.4	21.2	26.4	34.4	39.8	48.7	69.9	160
5.1	5.9	6.6	7.6	8.8	11.2	13.5	17.3	29.7	95.2
33.8	40.4	47.8	56.7	66.5	83.4	96.6	118	180	506
12.0	14.9	18.4	22.3	26.8	34.9	41.9	59.5	125	421
5.0	6.2	7.4	8.8	10.7	13.5	15.4	20.2	35.4	118
49.1	73.6	104	144	200	278	335	419	564	1,030
40.0	64.2	90.3	128	181	256	320	426	658	1,520
480	698	967	1,310	1,800	2,490	3,050	3,860	5,490	9,730
26.2	38.0	53.4	73.2	100	143	175	226	333	779
244	348	483	658	908	1,290	1,590	2,040	2,970	5,810
1,070	1,550	2,110	2,850	3,910	5,500	6,760	8,640	11,300	13,500
119	172	235	318	433	604	748	971	1,360	2,650
53.5	68.7	85.2	108	138	182	216	266	372	687
160	222	294	390	524	732	900	1,140	1,710	3,400
70.2	104	144	196	267	386	476	626	986	2,190
709	1,010	1,360	1,850	2,540	3,660	4,570	6,100	8,900	12,200
2,320	3,250	4,550	6,260	8,520	11,200	12,600	13,900	15,300	16,400
54.2	75.5	105	142	196	288	359	479	756	1,890
1.8	2.9	4.6	6.9	10.0	16.0	21.0	28.0	47.0	123
91.6	141	200	281	412	623	794	1,120	1,980	4,760
59.5	88.9	132	195	296	450	578	788	1,280	2,950
106	159	224	315	455	691	904	1,270	2,270	5,360
18.0	29.0	47.0	69.8	100	153	194	257	402	1,020
43.8	74.4	116	176	266	428	564	795	1,390	3,330
36.0	60.0	95.0	150	230	370	490	694	1,200	3,000
164	236	336	477	685	1,050	1,400	2,010	3,530	8,170
133	199	297	441	672	1,060	1,390	1,930	3,150	7,560
5.0	8.1	13.0	19.0	27.3	42.3	55.4	80.0	149	464
15.9	21.3	28.5	38.0	52.8	79.1	103	150	276	682
41.0	54.7	73.3	99.8	139	201	259	359	622	1,550
323	464	654	917	1,310	1,980	2,580	3,580	6,040	12,200
240	345	512	753	1,140	1,820	2,390	3,310	5,440	11,500
16.5	23.0	31.8	44.3	61.2	85.4	105	138	191	356
55.3	76.3	103	140	191	268	335	445	677	1,390
9.3	17.9	28.8	43.4	62.9	96.3	129	185	322	785
5.2	7.6	12.1	18.0	26.8	44.8	62.7	95.3	185	519
110	155	218	302	424	640	820	1,120	1,700	3,610

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01529950	² 1979–2008	29	2,160	584	128	178	226	274	335
01530500	1939–2008	70	87.2	27.2	6.7	9.8	13.0	15.0	17.0
01531000	² 1980–2008	28	2,780	745	158	225	289	353	432
01531000	³ 1904–1979	75	2,570	545	104	158	210	271	335
01531500	² 1980–2008	28	11,100	3,540	710	1,000	1,320	1,720	2,230
01531500	³ 1914–1979	65	10,700	3,110	574	923	1,250	1,580	1,920
01532000	1914–2008	94	291	36.3	3.6	8.9	14.0	21.0	30.0
01532850	1966–1979	13	10.2	1.7	.2	.4	.6	.9	1.2
01533400	² 1980–2008	28	12,500	3,900	790	1,100	1,480	1,900	2,440
01533500	1941–1958	17	47.2	6.3	.5	1.5	2.3	3.2	4.6
01533950	1961–1978	17	17.3	3.1	.3	.9	1.4	1.9	2.3
01534000	1914–2008	94	555	131	21.0	35.0	51.0	66.0	85.0
01534300	1959–2008	49	74.9	17.9	2.3	4.8	7.3	10.6	14.7
01534500	² 1960–2008	48	207	83.7	19.9	29.0	35.9	43.9	52.9
01534500	³ 1940–1959	19	206	92.1	24.6	33.9	42.1	49.3	56.7
01536000	² 1960–2008	48	457	158	34.0	49.9	65.8	82.0	99.8
01536000	³ 1939–1959	20	566	283	95.8	120	139	158	176
01536500	² 1980–2008	28	14,400	4,840	997	1,390	1,830	2,370	3,090
01536500	³ 1900–1979	79	13,500	4,170	837	1,250	1,670	2,100	2,590
01537000	1942–1993	51	41.1	12.9	2.4	4.1	5.6	7.1	8.6
01537500	1940–1990	50	18.7	3.3	.2	1.2	2.3	3.4	4.4
01538000	1920–2008	88	65.9	22.8	4.5	6.7	9.1	12.0	14.0
01539000	1939–2008	69	485	134	19.0	35.0	54.0	76.0	100
01539500	1941–1958	17	85.3	7.0	.4	1.6	3.8	6.5	9.6
01540200	1964–1981	17	2.2	.6	<.1	.1	.2	.4	.5
01540500	² 1980–2008	28	16,200	5,890	1,290	1,770	2,300	2,920	3,700
01540500	³ 1909–1979	74	15,300	5,080	1,020	1,580	2,080	2,600	3,190
01541000	1914–2008	94	557	159	29.0	48.0	63.0	80.0	99.0
01541200	² 1968–2008	40	687	245	50.4	74.8	100	128	156
01541200	³ 1956–1965	9	594	149	26.6	41.3	56.2	70.2	86.0
01541303	1979–2008	29	875	311	67.8	90.3	118	155	199
01541308	1968–1979	11	12.9	5.4	1.4	2.0	2.5	3.0	3.6
01541500	² 1961–2008	47	593	210	44.9	65.3	83.3	104	129
01541500	³ 1914–1960	46	576	139	23.0	41.0	54.0	68.0	86.0
01542000	1941–1993	52	111	42.8	10.2	14.2	18.1	21.9	26.6
01542500	² 1966–2008	34	2,560	--	241	345	448	562	684
01542500	³ 1940–1965	20	2,450	858	147	200	250	310	400
01542810	1965–2008	43	8.8	1.1	.1	.2	.4	.6	.9
01543000	1914–2008	94	456	65.0	6.8	17.0	26.0	38.0	52.0
01543500	1939–2008	69	1,150	193	22.0	44.0	71.0	105	152
01544000	² 1956–2008	52	410	69.4	8.2	17.9	28.1	40.2	56.1
01545000	² 1963–2008	45	379	78.2	10.0	19.0	30.6	44.1	59.7
01545500	² 1962–2008	46	5,040	1,570	270	423	585	778	1,040
01545500	³ 1908–1961	53	4,950	1,080	160	279	408	546	702
01545600	1965–2008	43	74.1	16.6	2.0	3.8	6.2	9.1	13.0

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
510	725	1,010	1,390	1,940	2,970	3,840	5,250	8,560	13,000
23.0	29.0	39.0	51.0	71.0	106	135	188	307	792
671	959	1,330	1,840	2,520	3,800	4,840	6,490	10,300	14,300
495	706	1,010	1,470	2,190	3,410	4,420	6,230	9,870	13,700
3,410	4,760	6,430	8,670	11,200	13,700	15,000	16,300	17,500	18,500
2,820	3,940	5,460	7,560	10,600	13,700	15,200	16,700	18,300	19,500
52.0	80.0	120	170	246	377	482	662	1,080	2,670
2.0	3.0	4.2	6.0	8.0	12.0	15.0	21.0	34.0	107
3,790	5,280	7,140	9,520	12,000	14,500	15,700	17,000	18,200	19,200
8.3	13.9	20.5	30.1	44.9	66.0	83.0	109	174	376
3.5	5.1	7.1	9.6	14.0	21.0	27.0	37.0	63.0	175
132	191	270	370	520	767	957	1,270	1,930	4,330
22.9	32.0	42.0	55.1	74.3	104	132	177	264	582
74.2	97.9	128	164	214	294	359	470	705	1,290
73.3	94.9	124	162	215	292	347	441	653	1,390
140	190	256	344	461	674	838	1,090	1,580	2,940
217	268	344	453	594	804	985	1,230	1,730	3,260
4,630	6,400	8,530	11,100	13,800	16,400	17,700	19,000	20,300	21,300
3,770	5,200	7,050	9,750	12,700	15,600	17,100	18,600	20,100	21,300
12.3	15.8	20.9	27.9	39.2	58.1	72.4	95.5	146	309
6.3	8.3	11.3	15.0	20.0	27.2	33.1	40.6	57.0	126
22.0	31.0	41.0	53.0	70.0	94.0	112	140	200	422
150	208	278	369	498	692	846	1,080	1,570	3,210
16.7	25.5	37.6	55.5	80.4	122	150	204	324	787
.7	.9	1.3	1.8	2.3	3.2	3.9	5.1	7.4	15.3
5,460	7,380	9,840	12,300	14,900	17,400	18,600	19,900	21,100	22,100
4,530	6,160	8,410	11,100	13,700	16,400	17,700	19,000	20,400	21,400
146	207	290	400	551	795	987	1,290	1,910	4,010
225	304	403	535	718	1,010	1,230	1,630	2,440	4,260
137	194	271	398	595	911	1,140	1,510	2,160	4,430
289	397	528	707	951	1,310	1,620	2,080	3,130	5,180
4.8	6.2	7.7	9.8	13.0	17.0	21.0	26.0	40.0	89.0
186	255	340	447	607	859	1,060	1,360	2,000	4,010
130	190	278	398	575	850	1,060	1,380	2,010	4,350
37.6	51.0	67.9	90.5	122	163	194	246	346	712
955	1,260	1,650	2,130	2,810	3,840	4,600	5,760	8,040	11,800
620	916	1,260	1,800	2,590	3,740	4,560	5,770	8,100	15,000
1.5	2.4	3.6	5.2	7.5	11.0	15.0	21.0	35.0	84.0
92.0	142	210	294	430	652	815	1,100	1,680	3,660
262	404	580	808	1,160	1,720	2,140	2,780	4,100	8,200
94.9	141	201	283	401	590	748	1,010	1,570	3,290
95.0	139	193	263	361	538	674	908	1,360	3,180
1,620	2,290	3,080	4,100	5,480	7,500	9,200	11,000	12,800	14,200
1,160	1,790	2,560	3,620	5,170	7,500	9,380	11,300	13,300	14,900
21.0	31.0	42.0	56.0	77.0	109	133	170	248	489

Table 5. Selected mean-flow and flow-duration statistics for streamgauge locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgauge number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01546000	1911–1934	18	210	27.5	2.3	5.5	12.5	18.6	25.0
01546400	1985–2008	23	69.1	42.3	16.0	19.0	22.0	25.0	28.0
01546500	1941–2008	67	95.6	68.3	25.0	35.0	41.0	45.0	48.0
01547100	1968–2008	40	232	191	104	120	129	137	143
01547200	1956–2008	52	411	242	92.6	121	135	146	157
01547500	² 1970–2008	38	507	288	114	138	159	174	188
01547500	³ 1955–1969	14	389	220	91.6	110	121	133	144
01547700	1956–2008	52	60.2	8.1	.8	2.1	3.4	4.8	6.6
01547800	1970–1981	11	23.6	9.1	2.0	3.0	3.8	4.8	5.9
01547950	1969–2008	39	266	88.6	15.0	23.0	34.0	47.0	60.0
01548005	² 1970–2000	26	907	473	154	193	232	268	301
01548005	³ 1911–1969	58	769	339	117	142	160	181	201
01548500	1919–2008	89	851	184	30.0	47.0	66.0	89.0	118
01549000	1909–1920	11	1,140	264	42.9	67.4	99.2	134	176
01549500	1941–2008	67	58.8	9.8	1.1	2.4	3.7	5.5	7.7
01549700	1958–2008	50	1,410	309	43.0	75.0	112	156	205
01550000	1914–2008	94	290	66.1	9.5	17.0	25.0	35.0	46.0
01551500	² 1962–2008	46	9,240	3,230	624	913	1,250	1,660	2,100
01551500	³ 1900–1961	61	8,920	2,520	485	724	960	1,230	1,570
01552000	1926–2008	81	767	184	26.0	44.6	70.0	103	137
01552500	1941–2008	67	48.6	11.1	1.5	2.7	4.4	6.4	8.8
01553130	1968–1981	13	9.1	4.0	1.1	1.6	2.0	2.2	2.5
01553500	³ 1940–1966	27	10,200	--	647	909	1,170	1,440	1,790
01553500	² 1967–2008	27	11,300	--	903	1,350	1,810	2,350	2,900
01553700	1980–2008	28	72.9	32.0	12.1	14.8	17.1	18.8	20.5
01554000	² 1980–2008	28	27,800	10,600	2,240	3,120	4,130	5,330	6,780
01554000	³ 1938–1979	41	26,800	8,980	1,800	2,700	3,620	4,690	5,840
01554500	1940–2001	54	85.2	61.2	22.1	29.7	34.8	39.4	43.0
01555000	1930–2008	78	447	166	40.0	55.0	68.0	83.0	99.0
01555500	1930–2008	78	230	56.6	7.6	15.0	23.0	32.0	41.0
01556000	1917–2008	91	400	159	48.0	63.0	73.0	81.0	93.0
01557500	1945–2008	63	76.0	20.5	3.6	5.2	7.0	9.0	12.0
01558000	1939–2008	69	379	178	64.0	74.0	83.0	92.0	103
01559000	1942–2008	66	1,110	540	173	228	266	297	330
01559500	1930–1958	28	148	44.5	12.1	15.7	18.7	21.7	25.8
01559700	1962–1978	16	5.5	.7	.1	.2	.3	.4	.4
01560000	1940–2008	68	235	53.5	11.0	16.0	20.0	25.0	31.0
01561000	1930–1958	28	45.3	6.1	.4	1.5	2.6	3.6	4.7
01562000	1912–2008	96	927	281	68.0	98.0	118	140	163
01562500	1930–1957	27	95.0	13.8	1.6	3.3	4.9	6.6	8.9
01563200	² 1973–2008	35	1,210	375	111	171	207	223	239
01563200	³ 1947–1972	25	1,080	194	18.1	68.0	115	142	176
01563500	² 1973–2008	35	2,750	1,240	428	503	562	630	728
01563500	³ 1938–1972	34	2,390	876	227	327	395	454	529
01564500	1939–2008	69	246	37.9	5.4	9.8	14.0	19.0	24.0

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
36.3	51.6	80.6	113	162	245	326	468	786	2,280
34.0	41.0	50.0	60.0	73.0	92.0	108	132	178	375
55.0	63.0	74.0	87.0	104	128	145	169	216	392
155	172	192	215	248	290	322	370	471	793
186	221	265	325	410	541	638	799	1,170	2,310
226	269	330	410	522	701	847	1,080	1,610	2,710
169	194	238	296	389	550	669	837	1,190	2,260
11.0	18.0	26.0	38.0	56.0	86.0	107	142	223	500
8.3	11.7	15.4	19.7	24.8	32.9	38.8	49.8	77.0	162
93.0	125	164	218	292	391	468	590	833	1,550
372	455	561	705	921	1,260	1,550	1,990	3,160	5,010
252	324	430	575	784	1,100	1,350	1,700	2,440	4,980
190	283	406	578	825	1,240	1,570	2,050	3,050	6,380
255	395	559	751	1,080	1,610	2,010	2,590	3,960	10,400
13.0	19.0	28.0	39.0	54.0	81.0	101	133	205	495
342	500	700	973	1,360	2,010	2,530	3,350	5,140	10,700
71.0	101	144	203	284	410	509	665	986	2,180
3,080	4,250	5,580	7,330	9,810	12,400	13,700	15,000	16,300	17,400
2,350	3,400	4,800	6,680	9,380	12,500	14,100	15,600	17,200	18,500
210	300	411	555	750	1,070	1,300	1,680	2,530	5,670
13.0	19.0	26.0	35.0	47.0	66.0	80.0	103	156	375
3.5	4.8	6.4	8.0	9.8	13.0	15.0	18.0	25.0	56.2
2,650	3,720	5,270	7,480	10,400	13,400	14,900	16,400	17,900	19,100
4,130	5,580	7,230	9,300	11,500	13,700	14,800	15,900	17,000	17,800
24.6	29.8	36.4	45.3	58.5	82.3	105	147	254	670
9,960	13,200	16,400	19,600	22,800	26,100	27,700	29,300	30,900	32,200
8,290	11,000	13,600	16,300	19,000	21,675	23,000	24,400	25,700	26,800
50.3	59.7	69.9	81.7	96.4	117	134	152	195	331
142	200	267	350	470	645	776	981	1,390	2,790
63.0	90.0	121	162	220	308	382	497	760	1,710
118	157	210	284	390	556	682	888	1,320	2,780
20.0	30.0	41.0	54.0	74.0	105	130	169	252	538
130	172	224	296	393	540	648	815	1,170	2,260
414	520	668	866	1,150	1,580	1,880	2,380	3,410	6,500
36.3	51.5	74.8	104	149	217	265	342	514	1,170
.7	1.2	2.0	3.1	4.8	7.3	9.9	14.0	22.5	48.0
46.0	68.0	100	142	209	320	413	572	900	1,970
8.0	13.4	21.0	31.7	46.9	68.6	84.8	109	162	340
220	304	428	599	860	1,290	1,640	2,200	3,330	7,200
16.0	26.8	43.4	64.1	93.1	142	180	239	349	753
282	472	561	750	1,090	1,700	2,100	2,900	4,740	9,760
248	337	478	711	1,090	1,660	1,980	2,600	3,940	8,710
962	1,240	1,600	2,080	2,780	3,850	4,700	6,180	9,370	12,900
700	928	1,250	1,720	2,500	3,590	4,300	5,550	7,920	12,100
40.0	64.0	100	147	216	330	428	593	953	2,160

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01565000	1940–2008	39	215	79.4	19.0	26.0	31.0	38.0	44.0
01565700	1964–1981	17	7.5	2.4	.4	.7	1.1	1.3	1.6
01566000	1912–2008	53	262	58.8	8.6	18.0	25.0	32.0	39.0
01566500	1931–1958	27	76.8	15.9	2.5	4.2	5.7	7.3	8.9
01567000	² 1973–2008	35	4,510	1,910	572	711	848	986	1,130
01567000	³ 1900–1972	72	4,230	1,560	375	537	678	804	957
01567500	1954–2008	54	19.6	7.7	2.4	3.1	3.6	4.1	4.5
01568000	1930–2008	78	293	80.4	17.0	25.0	31.0	38.0	47.0
01568500	² 1941–1996	55	20.6	6.8	2.6	3.6	4.1	4.4	4.7
01569000	1938–1974	15	60.4	22.4	4.4	7.4	9.3	12.0	14.0
01569800	1977–2008	31	44.6	36.6	16.5	21.9	24.0	26.0	28.0
01570000	³ 1912–1969	36	557	249	63.8	95.9	116	137	159
01570000	² 1970–2008	39	632	--	71.5	99.0	123	145	169
01570500	² 1974–2008	35	36,070	--	3,520	4,840	6,260	7,920	9,660
01570500	³ 1901–1972	72	33,400	--	2,590	3,840	5,070	6,380	7,740
01571000	1940–1995	18	14.9	2.3	.1	.6	1.1	1.5	1.9
01571500	1910–2008	64	297	202	90.0	104	117	128	138
01572000	1920–1984	15	57.6	13.6	2.0	3.9	5.6	7.4	9.2
01572025	1989–2008	18	221	86.2	17.9	25.3	34.4	45.2	56.2
01572190	1989–2008	18	319	112	23.6	33.0	44.5	57.5	70.9
01573000	1919–2008	89	580	163	26.0	46.2	66.4	87.0	110
01573086	1964–1981	17	8.4	3.6	.2	1.1	2.0	2.8	3.5
01573160	1976–1994	18	107	76.8	30.0	40.6	48.5	53.4	57.5
01573500	1938–1958	20	23.4	7.9	1.7	2.6	3.3	4.1	4.9
01573560	1976–2008	31	810	305	68.9	97.8	132	164	195
01574000	1929–2008	79	611	111	13.9	31.3	47.6	63.1	79.8
01574500	² 1967–2008	41	85.8	56.4	21.0	29.7	35.2	39.3	41.9
01574500	³ 1930–1966	35	72.9	29.5	8.2	11.0	14.0	16.0	18.0
01575000	³ 1928–1971	43	105	10.6	.5	4.2	10.8	17.3	23.0
01575000	² 1972–1995	23	128	19.9	1.4	6.2	11.6	16.2	21.2
01575500	² 1947–1996	49	222	87.9	17.7	27.7	42.6	53.9	63.4
01576000	² 1974–2008	35	39,900	--	3,750	5,400	6,980	8,700	10,600
01576000	³ 1933–1972	40	35,600	--	2,740	4,120	5,440	6,820	8,300
01576085	1983–1995	12	7.2	2.6	.1	.6	1.1	1.3	1.6
01576500	1929–2008	78	408	182	37.9	63.2	84.9	105	124
01576754	1985–2008	23	675	363	94.0	141	180	215	249
01578310	1968–2008	40	41,300	12,100	960	4,310	5,820	8,190	11,200
01578400	1963–1981	18	8.0	4.7	1.6	2.1	2.6	3.0	3.4
01580000	1927–2008	81	126	79.4	25.6	36.0	44.5	51.7	57.4
01581500	1945–2008	30	11.9	2.9	.3	1.1	1.6	2.0	2.4
01581700	1968–2008	40	52.4	28.1	7.5	12.4	15.7	18.5	21.2
01582000	1945–2008	63	68.8	44.7	14.5	20.5	25.0	28.9	32.0
01582500	1978–2008	28	206	143	46.4	66.1	80.8	93.1	104
01583000	1948–1981	33	2.4	1.4	.1	.3	.6	.8	1.1
01583100	1983–2008	16	14.6	9.7	3.1	4.5	5.5	6.1	6.7

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
64.0	90.0	125	174	239	330	398	489	660	1,230
2.2	2.8	3.9	5.2	6.9	9.8	12.0	16.0	23.0	63.9
57.0	81.4	120	167	236	350	445	600	949	2,260
14.5	22.3	34.8	51.4	74.5	108	135	179	272	695
1,520	2,010	2,700	3,480	4,590	6,390	7,740	10,100	12,400	14,300
1,310	1,780	2,340	3,120	4,290	6,000	7,380	9,580	11,900	13,800
5.8	7.6	10.0	13.0	18.0	25.0	30.0	40.0	62.0	153
69.0	103	145	200	280	400	500	653	978	2,370
5.2	5.9	6.7	8.2	12.7	24.6	35.3	51.6	85.9	190
22.0	31.0	40.0	51.0	65.0	86.0	103	125	166	317
31.8	35.5	39.7	44.9	50.2	60.0	64.9	74.6	85.7	135
208	266	335	428	563	776	960	1,220	1,770	3,550
224	292	373	482	634	879	1,070	1,360	2,030	4,290
13,100	16,600	20,100	23,600	27,100	31,000	32,300	34,000	35,800	37,200
10,800	13,900	17,000	20,000	23,100	26,200	27,700	29,300	30,800	32,000
3.0	4.7	6.7	9.2	13.5	19.8	24.7	33.2	50.3	147
159	186	217	259	311	387	448	535	723	1,410
14.0	21.0	30.0	41.0	56.0	80.0	100	133	200	453
79.1	105	137	177	229	305	360	458	701	1,520
102	136	181	241	321	439	538	699	1,050	2,300
165	235	324	435	582	807	1,020	1,310	1,930	4,180
4.5	5.4	6.4	7.7	9.4	11.9	13.7	15.5	20.3	36.3
65.9	76.6	87.4	101	116	139	151	183	246	446
7.2	10.8	14.7	19.2	25.2	34.4	41.1	51.2	72.8	159
266	354	466	616	805	1,130	1,380	1,800	2,650	5,600
123	181	258	363	521	769	993	1,360	2,300	6,250
47.0	52.5	58.4	64.4	78.6	104	128	161	230	508
24.0	32.0	41.0	53.0	71.0	99.0	118	150	222	520
35.6	50.1	65.9	85.4	113	152	185	234	324	701
34.9	52.6	72.4	94.5	123	165	196	256	387	1,090
82.0	104	132	168	219	300	359	457	678	1,690
14,200	17,900	21,600	25,300	29,000	32,700	34,600	36,400	38,300	39,700
11,500	14,700	17,900	21,100	24,300	27,500	29,100	30,700	32,300	33,600
2.3	2.9	3.7	4.7	6.0	8.2	10.1	13.8	22.8	73.6
164	211	267	337	431	572	681	828	1,160	2,490
313	386	470	565	694	884	1,020	1,250	1,780	4,250
17,100	23,100	29,100	35,000	41,000	46,900	49,900	52,900	55,900	58,300
4.0	4.8	5.4	6.2	7.3	8.9	10.0	13.0	19.0	66.2
68.9	81.3	95.7	112	134	163	185	221	296	713
3.3	4.2	5.2	6.6	8.3	11.3	14.5	20.6	39.3	140
26.7	32.3	37.9	45.0	53.4	64.5	74.9	87.2	131	338
38.3	45.5	53.6	63.1	75.7	91.6	104	124	160	331
123	142	166	193	229	269	311	356	457	882
1.3	1.6	1.8	2.2	2.6	3.2	3.8	4.5	5.7	13.6
8.2	9.8	11.8	13.8	15.9	19.7	21.7	25.6	33.9	76.1

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
01583500	1945–2008	63	69.1	42.5	12.6	18.5	23.2	27.1	30.6
01583600	1983–2008	25	29.7	18.3	5.8	8.2	10.2	12.1	13.4
01584050	1976–2008	32	11.3	6.3	1.7	2.7	3.3	3.9	4.5
01584500	1927–2008	53	44.6	26.4	7.0	12.3	15.1	17.7	20.2
01585095	1992–2008	16	2.2	.3	<.1	.1	.1	.2	.3
01585100	1959–2008	47	12.4	2.9	.2	1.0	1.4	1.8	2.1
01585200	1958–2008	40	2.6	.8	<.1	.1	.2	.3	.5
01585300	1959–1989	29	6.5	1.1	<.1	.2	.4	.6	.8
01585400	1959–1987	28	2.6	.7	<.1	.1	.2	.2	.3
01585500	1950–2008	58	3.2	1.1	.1	.3	.5	.7	1.0
01586000	1946–2008	62	64.7	35.6	10.6	15.6	19.1	22.4	25.3
01586210	1983–2008	25	16.6	9.1	2.4	3.7	4.8	5.6	6.4
01586610	1983–2008	25	34.2	17.1	4.0	6.9	9.0	10.7	12.5
01587500	1949–1980	31	74.8	35.3	8.2	14.5	19.3	23.7	27.7
01589000	³ 1945–1954	9	336	226	26.6	78.2	105	124	141
01589000	² 1955–2004	43	163	72.0	16.9	28.1	36.2	43.5	50.6
01589100	1958–2008	41	3.3	1.2	<.1	.2	.4	.6	.7
01589300	1957–2008	43	40.1	18.4	4.6	7.5	9.8	11.8	13.4
01589330	1960–2008	37	8.2	1.5	.1	.2	.5	.7	1.0
01589440	1966–2008	34	31.1	16.8	3.9	6.9	8.9	10.7	12.3
01589500	1945–2008	32	5.2	.5	.1	.4	.9	1.4	2.0
01594930	1981–2004	23	23.8	9.0	1.8	2.9	3.9	4.9	6.0
01594936	1981–2007	26	4.4	1.0	<.1	.2	.4	.6	.8
01594950	1987–2008	21	4.6	.3	<.1	.2	.3	.5	.6
01595000	1957–2008	51	174	52.1	7.2	15.4	23.1	30.2	37.3
01595200	1962–2008	46	98.4	21.9	3.3	5.7	8.2	11.4	14.9
⁴ 01595300	1957–1982	25	68.3	8.6	.7	2.2	4.2	6.3	8.7
01595500	1950–2008	40	452	117	18.9	33.3	46.3	60.4	76.7
01595800	³ 1967–1981	14	531	157	25.4	44.0	60.8	79.0	101
01596500	1949–2008	59	76.2	10.6	1.3	2.6	3.9	5.4	7.3
01597000	1949–1981	32	28.9	5.9	1.2	1.7	2.2	2.8	3.4
01597500	1951–2008	57	170	51.9	9.2	16.4	28.5	39.9	46.5
01598500	² 1951–2008	57	739	304	87.1	104	130	162	201
01599000	1906–2008	79	84.2	18.9	3.6	5.7	7.4	9.0	11.4
01600000	³ 1939–1950	11	848	246	47.0	71.4	92.7	115	145
01600000	² 1951–2008	39	910	328	89.7	116	137	163	195
01601000	1952–2008	21	196	16.2	1.5	3.7	6.1	8.8	12.6
01601500	1906–2008	79	334	77.3	15.3	23.2	30.0	36.8	45.3
01603000	³ 1930–1981	51	1,260	353	66.6	119	151	181	214
01603000	² 1982–2008	26	1,380	647	201	276	320	362	400
01603500	1933–1982	49	32.3	8.6	2.0	2.7	3.4	4.0	4.8
⁴ 01604500	1939–2008	69	172	25.6	3.5	7.1	10.2	13.3	16.4
01609000	1929–2008	26	160	22.9	4.6	6.8	11.2	15.0	21.0
01610000	1939–2008	69	3,400	1,120	249	362	462	557	662
01610155	1968–2008	18	112	1.2	<.1	.4	1.5	2.7	4.8

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
37.6	45.0	53.0	62.3	74.6	90.6	103	123	161	344
16.1	18.7	21.3	24.7	28.9	36.4	42.7	52.2	77.5	188
5.7	7.0	8.3	9.8	11.7	14.3	15.7	19.4	26.8	79.2
24.6	29.0	33.5	38.2	45.5	55.6	62.9	75.9	105	264
.4	.6	.7	.9	1.0	1.7	2.6	4.8	10.7	33.1
2.7	3.3	4.2	5.3	6.9	10.4	14.7	23.8	49.9	171
.7	.9	1.1	1.4	1.9	2.7	3.5	5.4	10.9	29.2
1.1	1.5	1.9	2.4	3.1	4.8	6.6	11.5	27.3	97.0
.5	.6	.8	.9	1.2	1.8	2.6	4.5	10.7	35.5
1.4	1.8	2.2	2.7	3.2	4.1	4.9	6.1	8.8	22.2
31.3	37.6	45.3	54.5	65.9	83.9	97.4	118	167	412
8.0	10.0	12.5	15.0	18.4	22.8	26.3	32.2	43.6	94.3
15.8	19.6	23.9	29.3	36.3	46.5	54.2	65.2	90.1	199
34.2	41.8	50.9	63.1	78.5	99.2	114	139	193	443
173	204	245	295	366	452	527	609	825	1,850
63.0	77.6	94.3	115	145	196	246	322	497	1,210
1.0	1.3	1.5	1.8	2.2	3.0	4.0	6.2	12.9	37.9
16.5	19.9	23.5	27.7	34.2	43.6	50.8	68.7	122	355
1.3	1.6	2.0	2.6	3.5	5.7	8.8	15.9	36.6	119
15.4	18.6	21.8	26.0	31.6	38.4	44.9	53.4	76.0	221
2.8	3.6	4.4	5.3	6.4	7.6	8.4	9.4	12.8	23.4
8.7	12.5	16.3	20.8	26.4	35.2	41.4	49.7	71.7	150
1.3	1.9	2.7	3.6	4.7	6.5	7.9	10.3	15.1	30.8
1.0	1.8	2.7	3.8	5.0	6.9	8.5	11.1	16.3	33.7
55.9	79.1	107	141	186	252	305	392	568	1,170
23.7	34.9	49.5	69.9	100	145	183	240	343	710
15.7	25.2	36.8	51.6	71.3	102	129	168	247	521
121	183	258	349	479	682	831	1,070	1,580	3,070
156	224	308	419	570	789	988	1,270	1,820	3,410
13.4	22.0	34.2	50.0	73.0	108	139	190	306	635
5.4	8.7	13.6	19.9	28.8	43.2	54.5	73.6	112	230
57.8	69.3	84.1	98.9	125	223	303	420	646	1,340
274	340	424	545	735	1,060	1,320	1,710	2,500	4,800
17.3	26.2	39.0	56.2	80.1	120	150	204	322	689
222	328	462	632	877	1,220	1,460	1,920	2,930	6,760
281	373	494	661	936	1,350	1,700	2,180	3,160	5,970
22.4	41.5	69.1	108	173	273	350	501	802	1,880
67.9	103	149	217	316	479	601	800	1,250	2,810
304	441	627	887	1,260	1,820	2,280	3,020	4,510	9,470
484	607	794	1,030	1,380	1,990	2,460	3,160	4,560	8,500
7.0	11.0	15.0	22.0	31.0	45.0	56.0	73.0	110	259
25.5	40.0	61.9	93.7	144	239	322	448	698	1,610
38.0	63.0	101	142	207	323	422	625	993	2,480
944	1,330	1,830	2,460	3,410	4,940	6,090	7,810	11,000	13,500
11.0	22.0	36.0	57.0	88.5	141	191	269	500	1,080

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
⁴ 01611500	1923–2008	84	587	162	42.5	56.8	68.6	79.8	92.2
01613000	1933–2008	75	4,200	1,350	304	440	554	668	787
01613050	1966–2008	41	13.3	.5	0	.1	.3	.6	.9
⁴ 01614000	1929–2008	43	196	29.4	4.6	7.8	11.5	15.2	19.1
01614090	1961–1981	20	7.3	2.1	.4	.7	1.0	1.2	1.5
01614500	1929–2008	79	606	231	56.0	84.0	103	120	140
⁴ 01616500	1948–2008	60	246	119	36.4	49.3	58.0	66.5	75.1
01617000	1949–2008	26	10.9	4.6	1.1	1.7	2.3	2.6	3.0
01617800	1964–2008	44	12.1	4.4	.5	1.6	2.7	3.4	4.1
01618000	1929–2004	69	6,120	2,080	448	686	887	1,070	1,290
01619000	1949–2008	21	114	68.6	19.7	31.3	37.7	42.4	47.1
01619500	1900–2008	83	291	181	64.4	83.3	97.4	110	122
01637500	1948–2008	60	77.4	12.7	1.3	3.4	5.4	7.6	10.5
01639000	1943–2008	65	211	16.3	1.8	4.9	7.9	11.0	16.0
01639140	1991–2001	10	37.0	2.6	.1	.6	1.2	1.9	2.8
01639500	1948–2008	60	115	42.8	10.7	18.2	23.6	28.4	32.8
01640500	1932–1984	52	9.5	1.9	.1	.4	.7	1.1	1.4
01640965	1982–1994	12	3.4	.4	<.1	.1	.3	.4	.5
01640970	1982–1991	9	6.3	1.3	.1	.2	.5	.7	.9
01641000	³ 1951–1968	17	22.8	--	1.2	1.9	2.3	2.9	3.6
01641000	² 1970–1991	21	29.4	--	2.7	3.7	4.5	5.2	6.1
01641500	1948–1984	36	11.8	4.2	1.0	1.4	1.7	2.0	2.4
01642500	³ 1933–1970	37	77.5	--	8.5	13.3	17.0	20.0	23.3
01642500	² 1972–1982	10	109	--	12.0	17.1	21.5	25.9	30.6
01643000	1930–2008	78	951	287	54.8	92.9	122	151	183
01643500	1949–2008	51	70.3	26.7	5.0	10.0	13.9	17.0	20.0
03007800	1975–2008	33	455	122	18.0	32.0	48.0	66.0	86.0
03008000	1966–1978	12	12.1	.9	.1	.3	.6	.8	1.2
03009680	1975–1995	20	308	88.7	8.6	25.0	35.0	48.0	62.0
03010500	1940–2008	68	959	240	37.0	59.0	87.0	122	164
03010655	1975–2008	33	158	40.2	6.2	10.0	15.0	20.0	27.0
03011020	1904–2008	104	2,790	778	132	213	292	386	495
03011800	1966–2008	42	78.7	28.5	5.1	8.4	12.0	15.0	19.0
03012550	³ 1936–1965	30	3,710	--	204	268	341	433	555
03012550	² 1966–1991	26	3,990	--	364	635	740	898	1,150
03013000	1939–1993	54	539	153	34.0	44.0	55.0	70.0	87.0
03014500	1935–2008	73	366	88.2	10.0	23.8	38.8	51.8	60.6
03015000	³ 1940–1949	9	1,470	448	79.8	117	157	206	254
03015000	² 1950–2008	58	1,560	457	82.6	128	170	211	260
03015280	1963–1978	15	23.2	6.2	1.1	1.7	2.3	3.0	3.7
03015500	1910–2008	98	600	176	36.0	52.0	68.0	86.0	107
03016000	³ 1942–1965	23	6,340	1,740	369	497	614	764	987
03016000	² 1960–2008	45	6,730	2,920	478	991	1,470	1,770	2,050
03017500	1938–1979	41	428	115	20.2	30.5	43.2	58.4	75.6
03020000	1941–1991	50	893	116	32.1	58.6	84.8	109	137

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
126	176	248	348	497	759	996	1,360	2,160	5,310
1,130	1,610	2,220	3,010	4,100	5,930	7,390	9,690	12,100	14,100
1.8	3.3	5.0	7.5	12.0	18.0	24.0	33.0	53.0	121
28.9	45.4	69.5	104	159	253	331	456	773	2,010
2.2	3.2	4.5	6.1	8.2	11.0	13.0	16.0	22.0	42.0
187	252	338	450	602	843	1,030	1,320	1,930	4,220
93.4	116	145	183	235	315	381	491	737	1,820
3.9	5.2	7.0	9.7	13.4	17.8	20.6	24.5	31.7	56.7
5.5	7.1	9.0	11.8	14.8	19.0	21.5	25.8	34.0	54.9
1,790	2,440	3,280	4,320	5,960	8,610	10,400	12,300	14,100	15,500
57.2	68.4	83.8	102	126	157	183	219	286	544
146	176	211	258	322	413	471	571	757	1,350
17.6	26.7	38.9	55.7	77.7	110	139	182	265	597
27.0	43.0	65.0	95.0	141	223	297	450	867	2,590
5.2	8.3	12.8	19.8	28.7	44.3	57.2	79.6	138	426
42.4	54.1	67.6	85.5	109	145	176	225	342	942
2.4	3.6	5.4	7.5	10.5	14.9	17.9	21.6	30.9	63.4
.8	1.0	1.7	2.4	3.5	5.0	6.3	8.2	12.8	27.9
1.6	2.5	3.8	5.0	6.5	8.9	11.0	14.3	21.4	47.8
5.2	7.6	11.8	17.5	25.3	35.5	42.9	53.8	77.4	169
8.4	12.6	17.0	22.5	29.6	41.1	49.8	63.6	92.0	197
3.4	5.1	7.6	10.9	14.9	19.8	22.8	27.2	36.2	62.3
30.7	38.4	48.2	60.4	77.7	104	127	157	228	558
40.8	53.0	65.0	82.4	103	137	164	208	321	712
259	353	480	642	868	1,230	1,550	2,053	3,220	8,470
25.8	33.8	43.6	55.0	68.4	88.8	106	137	204	545
130	185	250	334	450	643	801	1,030	1,590	3,360
2.3	3.9	5.8	8.3	12.0	17.2	21.2	27.8	44.0	99.9
97.0	135	180	236	315	437	539	698	1,010	2,100
263	380	535	728	1,020	1,440	1,760	2,290	3,330	5,810
44.0	65.0	88.0	119	163	228	276	361	523	1,200
763	1,120	1,570	2,160	3,000	4,210	5,240	6,830	9,730	12,500
28.0	39.0	51.0	65.2	85.0	113	136	171	240	458
918	1,350	1,920	2,750	3,940	5,690	7,130	9,180	11,500	13,400
1,530	1,960	2,560	3,530	4,390	6,310	7,590	9,320	11,000	12,400
134	203	291	400	549	850	1,080	1,400	1,900	3,160
84.0	149	287	412	534	672	751	854	1,020	1,330
395	616	915	1,260	1,680	2,340	3,000	3,810	5,000	8,100
419	707	1,060	1,430	1,920	2,650	3,170	3,870	4,940	7,270
5.7	8.3	12.0	16.0	23.0	32.0	40.0	52.0	78.0	181
160	227	310	420	589	852	1,080	1,440	2,170	4,200
1,630	2,380	3,430	4,970	7,070	10,000	11,600	13,200	14,800	16,100
2,630	3,390	4,620	6,100	8,110	10,700	12,100	13,400	14,700	15,800
119	171	241	335	465	660	797	1,030	1,420	2,850
221	293	498	703	970	1,400	1,840	2,310	3,280	5,530

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
03020500	1933–2008	75	542	166	34.0	47.0	63.0	81.0	102
03021350	1975–2008	33	224	43.3	5.4	11.0	17.0	23.0	31.0
03021410	1975–1993	19	130	--	2.8	6.4	9.3	13.0	17.0
03021500	1910–1971	61	415	73.5	11.0	18.0	26.0	35.0	46.0
03021520	1972–1991	19	530	149	18.8	37.1	50.8	63.9	82.2
03022540	1975–1995	20	55.0	--	2.7	4.5	6.5	8.5	11.1
03022554	1975–1991	16	88.6	28.1	6.7	8.6	12.4	14.1	15.8
03023100	1989–2008	19	1,630	416	61.9	101	149	202	279
03024000	³ 1933–1970	37	1,720	402	73.0	104	141	185	233
03024000	² 1971–2008	37	2,050	631	92.4	166	244	327	434
03025000	1933–1979	46	272	82.6	18.0	25.0	32.0	40.0	50.0
03025500	³ 1916–1965	50	10,200	--	522	791	1,050	1,330	1,700
03025500	² 1967–2008	42	11,400	--	1,470	2,140	2,570	2,930	3,300
03026500	1952–2008	56	14.6	2.7	.3	.6	1.1	1.6	2.2
03027500	² 1953–1991	38	137	64.3	15.0	20.9	27.3	36.3	44.3
03028000	1954–2008	54	127	40.1	7.2	11.0	15.0	20.0	26.0
03028500	² 1953–1995	42	383	227	50.7	101	125	147	162
03029500	³ 1940–1952	13	1,460	--	68.2	97.7	132	171	221
03029500	² 1953–2008	56	1,490	--	163	249	301	344	397
03030500	1948–2008	60	1,810	286	23.4	45.6	162	331	416
03031500	³ 1934–1965	32	12,800	--	749	1,120	1,400	1,750	2,210
03031500	² 1967–2008	42	14,600	--	2,040	2,820	3,370	3,870	4,420
03031950	1964–1981	17	13.3	3.3	.5	.9	1.3	1.6	2.1
03032500	1919–2008	88	891	230	40.0	62.0	85.0	112	143
03034000	1939–2008	69	281	89.6	18.4	26.8	34.8	43.9	54.8
03034500	1940–2008	68	151	25.3	2.7	5.9	9.8	14.7	20.5
03036000	² 1941–1991	50	605	146	19.2	37.7	56.0	76.7	98.4
03036500	³ 1906–1965	53	15,400	--	879	1,310	1,720	2,200	2,790
03036500	² 1967–2008	42	16,700	--	2,080	2,920	3,560	4,170	4,950
03038000	³ 1938–1968	30	276	42.0	6.0	10.0	14.0	19.0	26.0
03038000	² 1969–2008	39	297	83.1	19.7	28.3	33.5	38.7	45.3
03039000	³ 1919–1959	40	420	37.9	3.9	12.8	20.5	26.4	36.7
03039000	² 1940–1991	51	417	70.0	8.0	18.2	26.9	37.2	50.4
03039200	1965–1978	13	6.2	1.0	.1	.2	.4	.6	.8
03039925	1985–1998	11	7.6	2.4	.3	.6	1.0	1.4	1.8
03040000	1914–2008	90	689	147	17.8	37.8	62.4	84.0	107
03041000	1939–2006	57	313	76.5	8.1	19.4	38.1	52.3	64.4
03041500	1939–2008	69	1,290	569	166	218	257	298	340
03042000	1952–2008	56	368	129	29.0	40.2	53.0	66.1	81.0
03042200	1961–1988	19	13.2	2.5	.3	.6	.9	1.3	1.8
03042280	² 1972–2008	36	105	31.3	7.0	9.2	11.8	15.1	18.8
03042500	² 1969–2008	39	294	132	39.4	50.9	58.8	66.9	77.5
03042500	³ 1952–1968	16	259	59.2	12.6	16.9	21.2	27.4	34.6
03043000	1908–1951	43	670	154	25.5	42.2	60.0	79.1	102
03044000	² 1952–1991	39	2,380	819	231	324	412	499	586

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
155	220	300	397	536	750	924	1,220	1,880	3,930
52.0	78.0	104	140	192	292	375	530	875	1,940
28.6	43.5	59.6	80.6	113	180	234	321	504	1,090
77.0	125	188	270	390	585	752	1,020	1,580	3,310
138	222	330	509	777	1,010	1,130	1,270	1,460	2,290
17.1	23.2	30.3	38.8	52.2	75.2	93.5	127	192	439
22.8	37.0	52.9	66.8	101	134	157	231	319	546
484	767	1,160	1,600	2,060	2,620	3,080	3,760	5,080	8,330
386	600	898	1,270	1,840	2,690	3,360	4,360	6,180	11,000
699	1,025	1,420	1,940	2,530	3,280	3,880	4,690	6,160	9,940
72.0	103	142	197	273	384	470	617	933	1,970
2,650	3,950	5,670	8,070	11,000	13,900	15,400	16,800	18,300	19,400
4,530	6,160	8,280	10,700	13,100	15,500	16,700	17,800	19,000	20,000
3.9	5.9	8.2	11.0	15.0	21.0	25.0	32.0	48.0	104
60.5	79.6	110	138	168	201	230	258	365	591
39.0	56.0	76.0	100	133	185	224	290	418	816
191	224	261	319	405	542	648	799	1,070	1,860
360	549	789	1,140	1,660	2,340	2,820	3,450	4,950	9,750
529	708	943	1,240	1,640	2,220	2,650	3,270	4,640	8,860
615	867	1,160	1,570	2,070	2,790	3,250	4,130	5,540	10,200
3,400	4,940	7,020	10,100	13,400	16,600	18,300	19,900	21,600	22,900
5,930	7,980	10,500	12,900	15,400	17,900	19,100	20,400	21,600	22,600
3.4	4.9	6.9	9.4	13.0	18.0	22.0	29.0	47.0	109
229	335	470	660	920	1,330	1,630	2,130	3,090	5,990
82.5	117	159	217	293	408	498	634	955	1,920
35.1	53.2	76.1	105	147	218	268	363	558	1,210
166	226	320	481	639	931	1,160	1,510	2,230	3,900
4,350	6,260	8,820	11,700	14,600	17,600	19,000	20,500	21,900	23,100
6,850	9,260	11,800	14,400	16,900	19,500	20,800	22,000	23,300	24,400
46.0	75.0	115	172	254	390	503	691	1,060	2,330
64.6	97.0	141	201	284	417	523	693	1,060	2,430
64.6	105	168	242	385	644	787	1,070	1,760	3,670
81.3	120	186	252	430	690	810	1,090	1,700	2,980
1.4	2.4	3.3	4.4	6.0	8.5	11.0	14.0	23.0	52.0
2.5	3.7	4.9	6.3	8.4	11.0	13.0	17.0	24.0	44.2
166	243	345	490	694	1,020	1,280	1,690	2,470	5,140
89.6	124	170	233	318	444	547	708	1,050	2,330
438	568	746	1,000	1,350	1,880	2,300	2,910	4,090	8,070
114	156	213	285	387	530	636	803	1,210	2,510
3.1	4.6	6.5	9.0	12.0	18.0	23.0	30.0	46.0	104
28.6	41.7	60.4	84.9	116	160	191	242	332	672
104	138	180	236	309	418	500	616	907	1,830
54.1	81.9	121	179	256	384	483	642	964	2,000
160	237	336	472	676	986	1,230	1,610	2,400	5,150
798	1,090	1,440	1,870	2,490	3,510	4,260	5,460	7,860	11,900

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
03044000	³ 1940–1951	11	2,390	997	276	354	418	487	563
03045000	1940–2008	68	297	43.3	4.9	13.0	21.4	31.5	43.2
03045500	1920–1940	18	438	110	17.2	33.7	47.7	59.6	72.6
03047000	1942–1991	50	492	--	19.0	40.6	55.0	70.3	93.0
03047500	1908–1937	29	3,020	895	143	278	383	482	584
03048500	² 1942–2008	66	3,110	1,170	236	382	497	595	714
03049000	1941–2008	67	192	34.9	4.7	8.3	12.0	17.0	23.0
03049500	² 1967–2008	42	20,400	--	2,500	3,450	4,220	5,110	6,060
03049500	³ 1940–1965	26	18,800	--	1,360	1,770	2,210	2,710	3,400
03049800	1963–2008	45	6.4	.8	<.1	.2	.4	.5	.7
⁴ 03061500	1908–2008	85	169	12.1	.8	3.0	5.5	8.4	12.4
03062400	1965–2002	33	16.1	.7	.1	.3	.5	.8	1.1
03062500	1946–2008	29	105	13.4	1.4	3.2	5.0	7.0	9.9
03065000	1941–2008	66	790	154	15.1	38.0	66.0	99.3	136
⁴ 03066000	1922–2008	86	205	48.2	5.8	12.8	20.0	28.7	38.1
03068800	1974–2008	18	447	141	19.3	36.6	61.2	83.1	106
⁴ 03069000	1911–1993	68	554	146	16.5	41.6	69.1	94.8	121
⁴ 03069500	1913–2008	95	1,740	405	44.7	106	179	253	330
⁴ 03070000	1924–1996	72	2,330	487	51.2	123	218	317	423
03070420	1978–1995	17	1.8	.2	<.1	.1	.2	.3	.4
⁴ 03070500	1910–2008	95	420	41.3	4.8	12.0	21.3	33.4	47.9
03072000	1941–2008	67	281	22.1	2.0	4.8	8.5	13.5	19.2
03072655	1939–2008	69	8,450	2,630	474	756	1,070	1,360	1,690
03072840	1969–1979	10	155	27.1	3.5	7.2	9.8	14.0	19.0
03073000	1932–1995	63	199	7.9	.6	1.6	3.2	6.0	9.8
03074300	1967–1978	11	7.1	1.0	.1	.3	.4	.6	.9
03074500	1943–2008	65	103	44.4	10.8	17.3	21.7	25.0	28.2
03075070	1934–2008	74	9,260	2,930	539	856	1,180	1,510	1,840
03075500	1942–2008	66	308	62.6	7.1	15.8	24.9	35.6	48.0
03076500	² 1941–2008	67	638	243	39.6	74.8	112	144	176
03076600	1965–2008	43	92.0	22.6	3.4	5.9	8.4	11.8	15.4
03077500	1944–1991	48	889	--	108	170	244	326	395
03078000	1948–2008	60	121	20.1	1.9	4.8	8.2	12.0	16.0
03079000	1921–2008	87	665	147	20.0	37.0	57.0	77.0	101
03080000	1919–2008	89	268	53.9	6.3	12.0	20.0	30.0	40.0
03081000	1941–2008	67	2,030	1,110	281	496	619	687	754
03082200	1962–1978	16	19.0	1.5	.1	.3	.8	1.2	1.9
03082500	³ 1909–1924	15	2,580	492	34.3	98.6	189	285	381
03082500	² 1925–2008	83	2,610	1,170	198	434	616	729	840
03083000	1942–1979	37	5.6	.8	<.1	.2	.4	.5	.7
03083500	² 1925–2008	78	3,120	1,470	314	562	723	854	974
03084000	1949–1993	43	5.4	1.0	0	.2	.4	.6	.8
03085000	1939–2004	65	12,700	5,220	1,310	1,810	2,270	2,710	3,150
03085500	1920–2008	81	294	120	29.6	46.1	56.8	65.9	75.5
03086000	1934–2008	74	33,600	14,600	3,210	4,710	6,120	7,520	9,000

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
770	1,040	1,370	1,880	2,550	3,500	4,160	5,410	7,430	12,200
73.0	112	161	224	308	436	544	710	1,040	2,210
105	150	218	301	424	636	797	1,050	1,570	3,370
132	203	255	375	512	752	946	1,240	1,810	3,190
829	1,200	1,680	2,290	3,150	4,470	5,530	7,100	9,890	12,500
1,010	1,390	1,870	2,510	3,420	4,800	5,710	7,310	10,200	12,700
41.0	65.0	95.0	135	190	273	343	456	698	1,450
8,300	11,200	14,000	16,900	19,800	22,600	24,100	25,500	27,000	28,100
5,320	7,620	10,500	13,300	16,100	19,000	20,400	21,800	23,200	24,400
1.2	1.8	2.7	4.0	5.9	8.6	11.0	15.0	24.0	55.0
22.4	38.4	61.2	92.1	137	214	282	409	698	1,790
2.8	5.0	8.0	12.0	16.7	24.0	30.0	39.7	59.8	133
19.0	34.0	52.0	74.0	104	151	190	255	391	825
219	318	441	592	808	1,150	1,400	1,860	2,810	5,560
58.9	84.3	116	155	209	296	370	486	730	1,390
157	213	275	354	457	622	766	998	1,450	2,950
176	239	314	414	557	779	979	1,280	1,940	3,940
507	723	996	1,330	1,820	2,530	3,120	4,060	5,990	11,000
671	978	1,340	1,800	2,400	3,360	4,160	5,450	8,060	12,300
.6	.7	.9	1.3	1.8	2.6	3.2	4.5	7.0	15.2
89.3	145	216	309	432	609	758	1,010	1,540	3,270
36.0	62.5	101	158	239	375	491	697	1,150	2,760
2,430	3,470.1	4,940	6,980	9,680	12,500	14,000	15,400	16,800	18,000
31.0	51.0	74.0	105	150	213	265	350	556	1,330
20.0	38.0	66.0	105	163	260	346	490	819	2,040
1.5	2.2	3.3	4.7	6.9	10.0	13.0	16.0	25.0	55.0
37.4	48.7	63.2	82.3	107	143	173	216	313	697
2,680	3,780	5,330	7,450	10,200	13,100	14,500	15,900	17,300	18,500
78.9	118	168	233	321	456	574	751	1,080	2,160
244	320	411	527	686	937	1,110	1,410	2,060	3,760
24.9	36.6	50.5	68.4	93.1	134	167	225	329	646
497	576	670	774	929	1,130	1,360	1,750	2,510	4,530
30.0	46.0	68.0	93.0	127	176	219	282	420	854
162	242	343	482	677	958	1,180	1,540	2,330	4,930
69.0	102	148	200	278	393	485	639	938	1,840
903	1,060	1,290	1,650	2,160	2,990	3,630	4,570	6,210	9,720
3.7	6.1	9.0	13.0	18.0	26.0	33.0	45.0	70.0	158
599	904	1,320	1,870	2,660	3,930	4,870	6,290	9,280	12,800
1,050	1,290	1,650	2,160	2,860	3,920	4,750	5,900	7,920	11,300
1.1	1.8	2.7	3.8	5.4	8.0	10.2	14.2	21.7	48.0
1,230	1,550	1,960	2,580	3,370	4,640	5,560	7,010	9,440	11,800
1.2	1.8	2.5	3.5	5.0	7.3	9.2	13.0	20.0	44.0
4,230	5,810	7,810	10,600	13,300	16,000	17,400	18,800	20,100	21,200
97.4	128	169	222	295	408	494	624	939	2,090
12,000	15,000	17,900	20,900	23,900	26,900	28,400	29,800	31,300	32,500

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis ¹	Number of years used in analysis	Mean annual flow (ft ³ /s)	Harmonic mean (ft ³ /s)	99-percent exceed-ance (ft ³ /s)	95-percent exceed-ance (ft ³ /s)	90-percent exceed-ance (ft ³ /s)	85-percent exceed-ance (ft ³ /s)	80-percent exceed-ance (ft ³ /s)
03086500	1942–1993	48	90.2	9.7	.2	.8	3.5	6.2	8.7
03090500	³ 1931–1942	11	211	24.0	3.6	6.2	8.6	12.5	16.4
03090500	² 1943–1991	48	248	16.7	.6	15.6	25.8	43.7	62.2
03091500	1930–2008	78	279	70.0	7.9	33.1	52.6	67.8	80.3
03092000	1942–1993	51	23.4	.7	<.1	.1	.2	.4	.6
03092090	1966–1993	27	28.3	5.0	.7	1.6	2.3	3.0	3.7
03092460	1969–1991	22	106	48.4	8.9	18.2	22.6	25.2	27.8
03092500	³ 1927–1966	39	95.9	19.7	5.3	7.2	8.6	10.1	11.7
03092500	² 1967–1981	14	108	52.9	10.5	18.4	23.7	27.4	33.0
03093000	1927–2008	78	117	30.9	7.0	11.0	14.0	16.0	19.0
03094000	1941–2008	67	621	326	111	150	178	204	223
03095500	1944–1991	27	86.0	--	.3	2.8	4.1	4.8	5.5
03097550	1988–2008	20	984	525	208	251	289	318	347
03098000	1922–1982	60	873	323	67.4	109	147	184	221
03098500	1944–2000	28	57.8	4.1	.3	1.3	2.4	3.3	4.6
03098600	1988–2008	20	1,160	608	221	290	343	373	400
03099500	1944–2000	48	1,120	631	213	288	345	387	427
03100000	1912–1922	10	200	28.0	4.4	6.2	8.5	12.4	17.1
03101500	1935–2008	73	212	42.3	2.5	14.8	28.1	42.2	57.3
03102000	³ 1920–1932	12	225	28.4	3.8	5.8	8.9	12.9	17.6
03102500	1914–2008	92	146	33.8	5.8	9.4	13.0	16.0	21.0
03102850	1966–2008	42	485	223	59.5	86.6	103	120	136
03102950	1966–1994	28	129	9.1	.8	3.0	5.5	8.2	12.0
03103000	1914–1963	47	201	19.2	2.1	4.7	6.9	9.3	12.0
03103500	1938–1991	53	764	343	94.6	147	174	199	217
03104000	³ 1910–1932	22	714	116	16.7	27.8	40.2	52.7	70.1
03104500	³ 1910–1932	21	899	143	19.1	33.5	48.6	68.4	91.7
03104760	1969–1981	12	3.3	.3	<.1	.1	.2	.3	.4
03105500	1915–2008	79	2,620	1,130	190	430	583	690	788
03106000	1920–2008	88	466	89.4	13.0	22.0	33.0	44.0	58.0
03106300	² 1970–2008	37	69.6	15.3	1.8	3.4	5.0	6.7	9.0
03106500	³ 1912–1969	58	553	166	34.0	47.0	58.0	68.0	81.0
03106500	² 1970–2008	38	609	--	52.5	71.4	92.1	115	142
03107500	1957–2008	51	3,900	1,920	569	774	912	1,030	1,170
03108000	² 1957–2008	51	190	--	9.3	15.8	21.9	28.4	35.0
03108000	³ 1942–1956	14	207	--	8.3	13.5	18.3	23.8	30.6
03109500	1916–2008	92	529	136	25.0	39.0	53.0	68.0	85.0
03110000	1941–2008	67	164	27.7	3.0	6.9	11.0	16.0	21.0
03111150	1961–1985	19	9.6	1.0	0	0	.2	.4	.6
03111500	1942–2008	66	131	52.2	12.0	18.0	23.0	28.0	33.0
03111534	1979–1995	16	42,000	22,300	5,290	8,040	9,950	11,900	13,800
03111548	1983–2008	23	117	53.3	13.0	20.0	25.3	30.2	35.3
⁴ 03112000	³ 1941–1986	45	335	--	.9	3.3	8.4	16.2	25.3
03112000	² 1987–2008	21	359	--	2.2	8.2	15.9	22.9	31.4
03114000	1927–2003	53	163	6.8	.4	2.0	4.9	8.3	12.9

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
15.2	22.5	33.1	47.0	69.4	109	145	217	389	953
23.2	33.4	50.0	74.9	118	213	313	536	1,060	2,400
99.2	132	166	200	252	331	418	582	839	1,470
107	137	168	199	255	363	487	707	1,020	1,750
1.2	2.1	3.9	6.6	11.0	20.0	30.0	50.0	105	353
5.5	8.0	11.5	15.8	21.7	33.0	43.3	63.1	120	277
44.0	61.5	78.1	94.6	116	147	179	227	331	575
15.2	20.0	26.9	40.9	62.3	102	140	210	418	1,190
45.7	63.5	80.9	98.2	121	156	182	221	321	571
25.0	34.0	46.0	64.0	90.0	137	182	265	471	1,130
261	299	337	415	572	903	1,160	1,500	2,050	3,510
10.7	20.5	34.4	63.3	96.6	148	179	226	338	603
397	447	537	684	994	1,520	1,910	2,390	3,150	5,220
300	379	450	561	764	1,230	1,620	2,160	3,110	6,260
7.6	11.7	17.6	26.3	40.5	66.7	93.6	144	258	604
454	529	608	798	1,130	1,740	2,170	2,760	3,780	7,180
501	571	667	798	1,070	1,580	1,970	2,490	3,530	6,640
30.7	54.2	78.4	110	173	284	368	487	785	1,810
84.1	109	141	184	242	348	448	551	680	808
33.8	60.7	97.8	146	238	382	472	592	862	1,670
32.0	48.0	69.0	96.0	133	196	246	336	551	1,210
174	229	309	428	599	787	913	1,050	1,370	2,500
23.0	37.0	55.0	83.0	124	199	260	352	517	882
21.0	38.0	64.0	106	181	315	412	546	813	1,690
253	301	382	576	859	1,270	1,560	1,870	2,430	3,870
123	206	308	458	720	1,120	1,390	1,780	2,690	5,600
162	264	396	586	927	1,390	1,750	2,300	3,520	6,760
.6	.7	.9	1.3	2.2	3.7	5.2	8.5	15.4	38.1
963	1,160	1,500	2,000	2,830	4,040	4,930	6,100	8,180	11,700
94.0	146	216	310	448	659	831	1,100	1,700	3,830
17.0	27.6	43.8	63.0	84.2	119	144	179	235	349
115	167	248	355	523	818	1,040	1,390	1,990	4,120
208	285	379	490	645	895	1,080	1,380	1,990	3,840
1,500	1,890	2,450	3,240	4,300	5,890	7,060	8,720	10,800	12,400
50.4	72.8	101	140	194	274	338	438	649	1,370
46.5	68.3	99.7	146	206	298	377	491	731	1,700
125	182	258	361	503	730	920	1,240	1,890	4,160
34.0	52.2	80.0	113	161	235	294	390	595	1,290
1.4	2.4	3.9	6.0	9.0	13.0	17.0	22.0	35.0	87.0
45.0	60.0	80.0	106	138	186	219	270	385	852
17,600	21,400	25,200	29,000	32,800	36,600	38,500	40,400	42,300	43,900
46.5	60.3	76.3	95.0	121	157	186	233	335	790
49.5	80.5	130	198	303	468	603	838	1,320	3,040
61.1	110	166	240	340	498	629	857	1,410	3,200
24.2	42.0	66.7	101	147	222	281	389	621	1,560

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis¹	Number of years used in analysis	Mean annual flow (ft³/s)	Harmonic mean (ft³/s)	99-percent exceed-ance (ft³/s)	95-percent exceed-ance (ft³/s)	90-percent exceed-ance (ft³/s)	85-percent exceed-ance (ft³/s)	80-percent exceed-ance (ft³/s)
04209000	1926–2008	72	353	92.0	18.2	29.1	38.6	49.2	60.3
04212500	1925–1979	46	154	2.0	0	.1	.5	1.2	2.5
04213000	1923–2008	71	277	28.3	3.1	6.8	11.0	15.0	21.0
04213040	1969–1995	26	3.4	.3	<.1	.1	.2	.4	.5
04213075	1987–2008	21	6.9	2.2	.4	.7	1.0	1.2	1.4
04221000	1956–2008	38	398	108	19.9	30.1	40.8	54.0	69.0
04223000	1909–2008	99	1,280	349	66.3	100	139	177	220
04224775	1975–2008	33	102	32.8	7.6	10.6	13.8	17.0	20.4
04227000	1959–2008	45	306	98.6	22.9	32.4	41.6	49.8	60.8

¹Water year is defined as 12-month period beginning October 1 and ending September 30. The water year is designated by the calendar year in which it ends.

³Period of record for post-regulation period.

²Period of record for pre-regulation period.

⁴Low-flow statistics computed from differing period of record can be found in Wiley (2006).

Table 5. Selected mean-flow and flow-duration statistics for streamgage locations in and near Pennsylvania.—Continued[ft³/s; cubic feet per second; --, statistic not computed; <, less than]

70-percent exceed- ance (ft ³ /s)	60-percent exceed- ance (ft ³ /s)	50-percent exceed- ance (ft ³ /s)	40-percent exceed- ance (ft ³ /s)	30-percent exceed- ance (ft ³ /s)	20-percent exceed- ance (ft ³ /s)	15-percent exceed- ance (ft ³ /s)	10-percent exceed- ance (ft ³ /s)	5-percent exceed- ance (ft ³ /s)	1-percent exceed- ance (ft ³ /s)
84.2	115	155	210	293	442	578	802	1,370	3,250
7.6	20.0	39.0	64.0	103	184	260	400	720	1,640
39.0	66.0	100	150	221	353	480	700	1,190	2,610
.7	1.0	1.4	2.0	2.8	4.3	5.6	7.9	14.2	34.1
2.0	2.6	3.5	4.6	6.1	8.6	11.0	14.0	23.0	58.6
105	156	216	292	397	559	692	912	1,370	3,130
325	457	626	860	1,210	1,770	2,230	3,010	4,720	10,200
28.8	40.8	55.2	73.6	99.8	139	171	225	348	815
84.4	116	157	211	290	426	541	730	1,160	2,370

Table 6. Comparison of streamflow statistics for 72 streamgage locations in Pennsylvania to previously reported streamflow statistics.

[7Q10, 7-day, 10-year low flow; 30Q10, 30-day, 10-year; HM, harmonic mean; P95, 95-percent flow-duration exceedance flow; P50, 50-percent flow-duration exceedance flow; P5, 5-percent flow-duration exceedance flow; <, less than]

Flow statistic¹	Conclusion of Wilcoxon signed-rank test	Change in median flow statistic	P-value from Wilcoxon signed-rank test
7Q10	Not significant	Decrease	0.081
30Q10	Significant	Decrease	.009
HM	Significant	Increase	.001
P95	Not significant	Decrease	.346
P50	Significant	Increase	< .001
P5	Significant	Increase	< .001

¹Ehlke and Reed, 1999.

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