

**Appendix 3. Flood-flow magnitudes for selected recurrence intervals for streamflow-gaging stations in Pennsylvania with drainage areas less than 2,000 square miles and streamflow substantially affected by upstream regulation.**

[Data from these streamflow-gaging stations were not included in the regression analysis; mi<sup>2</sup>, square miles; water year, 12-month period October 1- September 30; all flood flows in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Station name	Drainage area (mi <sup>2</sup> )	Period of record (water year) <sup>1</sup>	Flood flows, computed from streamflow-gaging-station data				
				2-year	5-year	10-year	50-year	100-year
01429000	West Branch Lackawaxen River at Prompton, Pa.	59.7	1961-2006	1,350	2,070	2,580	3,830	4,400
01429500	Dyberry Creek near Honesdale, Pa.	64.6	1960-2006	1,530	1,940	2,210	2,820	3,090
01430000	Lackawaxen River near Honesdale, Pa.	164	1960-2006	3,890	5,720	7,120	10,700	12,500
01431500	Lackawaxen River at Hawley, Pa.	290	1960-2006	6,630	10,300	13,300	21,900	26,500
01447800	Lehigh River bl Francis E Walter Res nr White Haven, Pa.	290	1961-2006	5,680	7,900	9,470	13,200	14,900
01449500	Wild Creek at Hatchery, Pa.	16.8	1959-78	191	308	400	643	764
01449800	Pohopoco Cr bl Beltzville Dam nr Parryville, Pa.	96.4	1971-2006	1,300	1,570	1,720	2,010	2,110
01451000	Lehigh River at Walnutport, Pa.	889	1961-2006	17,900	27,300	34,200	51,100	58,900
01453000	Lehigh River at Bethlehem, Pa.	1,280	1961-2006	23,900	36,500	45,700	67,800	78,100
01454700	Lehigh River at Glendon, Pa.	1,360	1967-2006	25,800	38,900	48,100	69,900	79,800
01459500	Tohickon Creek near Pipersville, Pa.	97.4	1974-2006	6,200	10,200	13,400	21,900	26,100
01464645	NB Neshaminy Cr bl Lake Galena nr New Britain, Pa.	16.2	1986-2006	627	1,410	2,160	4,620	6,070
01464720	NB Neshaminy Creek at Chalfont, Pa.	31.5	1991-2006	1,800	3,960	6,110	13,500	18,100
01470960	Tulpehocken Cr at Blue Marsh Damsite near Reading, Pa.	175	1979-2006	2,430	3,410	4,080	5,600	6,270
01471000	Tulpehocken Creek near Reading, Pa.	211	1979-2006	2,650	3,740	4,510	6,290	7,100
01471510	Schuylkill River at Reading, Pa.	880	1980-2006	16,600	26,800	34,600	54,900	64,800
01472000	Schuylkill River at Pottstown, Pa.	1,150	1979-2006	21,100	30,300	36,900	53,100	60,600
01480400	Birch Run near Wagontown, Pa.	4.55	1997-2006	162	309	441	845	1,070
01480685	Marsh Creek near Downingtown, Pa.	20.3	1974-2006	331	488	594	826	924
01480700	East Branch Brandywine Creek near Downingtown, Pa.	60.6	1974-2006	2,250	3,640	4,660	7,170	8,330
01480870	East Branch Brandywine Creek below Downingtown, Pa.	89.9	1974-2006	3,320	5,100	6,410	9,640	11,200
01518000	Tioga River at Tioga, Pa.	282	1980-2006	5,700	6,390	6,780	7,510	7,780
01518700	Tioga River at Tioga Junction, Pa.	446	1980-2006	6,710	8,050	8,950	11,000	11,800
01520000	Cowanesque River near Lawrenceville, Pa.	298	1980-2006	4,460	5,410	5,980	7,150	7,620
01534300	Lackawanna River near Forest City, Pa.	38.8	1960-2006	759	961	1,080	1,300	1,390
01534500	Lackawanna River at Archbald, Pa.	108	1960-2006	2,390	3,880	5,110	8,620	10,500
01536000	Lackawanna River at Old Forge, Pa.	332	1960-2006	6,150	10,500	14,000	23,800	28,900

[Excerpted from Regression Equations for Estimating Flood Flows at Selected Recurrence Intervals for Ungaged Streams in Pennsylvania, USGS Report SIR-2008-5102 by Roland and Stuckey.]

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[Data from these streamflow-gaging stations were not included in the regression analysis; mi<sup>2</sup>, square miles; water year, 12-month period October 1 - September 30; all flood flows in cubic feet per second]

U.S. Geological Survey streamflow-gaging station	Station name	Drainage area (mi <sup>2</sup> )	Period of record (water year) <sup>1</sup>	Flood flows, computed from streamflow-gaging-station data				
				2-year	5-year	10-year	50-year	100-year
01541200	WB Susquehanna River near Curwensville, Pa.	367	1966-2006	4,780	5,650	6,210	7,430	7,950
01541303	West Branch Susquehanna River at Hyde, Pa.	474	1979-2006	5,680	6,710	7,390	8,890	9,540
01541500	Clearfield Creek at Dimeling, Pa.	371	1961-2006	6,240	9,030	11,100	16,600	19,300
01542500	WB Susquehanna River at Karthaus, Pa.	1,460	1961-2006	20,000	30,300	38,800	63,100	76,000
01544000	First Fork Sinnemahoning Cr near Sinnemahoning, Pa.	245	1956-2006	4,900	6,150	6,930	8,540	9,190
01545000	Kettle Creek near Westport, Pa.	233	1962-2006	4,660	5,640	6,240	7,440	7,910
01547500	Bald Eagle Creek at Blanchard, Pa.	339	1971-2006	2,860	3,590	4,020	4,900	5,240
01563200	Rays Br Juniata River bl Rays Dam nr Huntingdon, Pa.	960	1973-2006	11,900	14,900	16,600	19,600	20,800
01575500	Codorus Creek near York, Pa.	222	1947-2006	3,950	6,430	8,690	16,000	20,300
01574500	Codorus Creek at Spring Grove, Pa.	75.5	1967-2006	1,600	3,060	4,580	10,300	14,300
01575000	South Branch Codorus Creek near York, Pa.	117	1972-95	4,240	8,070	11,900	25,300	34,000
03020000	Tionesta Creek at Tionesta Creek Dam, Pa.	479	1941-91	6,600	8,350	9,440	11,700	12,600
03021520	French Creek near Union City, Pa.	221	1972-91	2,370	3,100	3,550	4,450	4,810
03023100	French Creek at Meadville, Pa.	788	1989-2006	10,100	12,600	14,100	17,200	18,400
03024000	French Creek at Utica, Pa.	1,030	1971-2006	12,100	14,700	16,200	19,000	20,000
03022554	Woodcock Creek at Woodcock Creek Dam, Pa.	45.6	1975-91	608	775	877	1,090	1,170
03027500	EB Clarion River at EB Clarion River Dam, Pa.	73.2	1953-91	581	904	1,170	1,910	2,310
03028500	Clarion River at Johnsonburg, Pa.	204	1953-2006	3,880	5,690	7,050	10,500	12,200
03036000	Mahoning Creek at Mahoning Creek Dam, Pa.	344	1941-91	4,910	6,560	7,730	10,500	11,800
03039000	Crooked Creek at Crooked Creek Dam, Pa.	278	1941-91	3,780	4,840	5,470	6,730	7,220
03042280	Yellow Creek near Homer City, Pa.	57.4	1971-2006	1,360	2,640	3,890	8,260	11,000
03042500	Two Lick Creek at Graceton, Pa.	171	1969-2006	4,030	7,790	11,400	24,100	32,100
03044000	Conemaugh River at Tunnelton, Pa.	1,360	1952-91	17,700	23,100	26,400	33,500	36,400
03047000	Loyalhanna Creek at Loyalhanna Dam, Pa.	292	1942-91	3,800	4,810	5,440	6,730	7,250
03048500	Kiskiminetas River at Vandergrift, Pa.	1,830	1942-2006	21,700	30,500	36,800	52,000	59,100
03077500	Youghiogheny River at Youghiogheny River Dam, Pa.	436	1944-91	4,990	6,750	7,860	10,200	11,100
03081000	Youghiogheny River below Confluence, Pa.	1,030	1942-2006	16,100	23,000	28,200	41,400	47,800

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				2-year	5-year	10-year	50-year	100-year
03082500	Youghiogheny River at Connellsville, Pa.	1,330	1942-2006	23,800	35,700	44,800	68,200	79,700
03083500	Youghiogheny River at Sutersville, Pa.	1,720	1942-2006	29,200	44,000	55,300	84,500	98,800
03101500	Shenango River at Pymatuning Dam, Pa.	167	1935-2006	900	1,150	1,310	1,620	1,740
03102850	Shenango River near Transfer, Pa.	337	1966-2006	4,480	5,190	5,560	6,170	6,380
03103500	Shenango River at Sharpsville, Pa.	584	1939-91	4,840	7,660	9,920	16,100	19,300
03106300	Muddy Creek near Portersville, Pa.	51.2	1970-2006	349	481	574	793	892
03106500	Slippery Rock Creek at Wurtzburg, Pa.	398	1969-2006	6,240	8,020	9,060	11,100	11,900

<sup>2</sup>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.