DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which these data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 2002

Station name and number	Location and drainage area	Period of Record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
SUSQUEHANNA RIVER BASIN								
CHEMUNG RIVER BASIN								
Crooked Creek below Catlin Hollow at Middlebury Center, Pa. (01518420)	Lat 41°50’33”, long 77°16’25”, Tioga County, Hydrologic Unit 02050104, at single-span bridge on Township Route 586 at Middlebury Center. Drainage area is 74.3 mi^2.	1986-2002	6-05-02	44.32	2,720	11-08-96	51.93	15,300
Cowanesque River at Elkland, Pa. (01519200)	Lat 41°59’15”, long 77°18’09”, Tioga County, Hydrologic Unit 02050104, at single-span steel-truss bridge on State Highway 49 at Elkland. Drainage area is 235 mi^2.	1980-2002	6-06-02	22.18	5,170	1-19-96	[a]30.20	28,000
WEST BRANCH SUSQUEHANNA RIVER BASIN								
West Branch Susquehanna River at Karthaus, Pa. (01542500)	Lat 41°07’03”, long 78°06’33”, Clearfield County, Hydrologic Unit 02050201, at steel-truss bridge on State Highway 879 at Karthaus, Drainage area is 1,462 mi^2.	1918-1920[b] 1940-95≠ 1996-2002	6-07-02	8.73	17,000	6-23-72	18.57	84,300
First Fork Sinnemahoning Creek at Wharton, Pa. (01543700)	Lat 41°31’08”, long 78°01’40”, Potter County, Hydrologic Unit 02050202, 50 ft upstream from bridge on State Highway 872, and 0.8 mi southwest of Wharton. Drainage area is 182 mi^2.	1968-80* 1982* 1984-2002	5-13-02	10.11	5,340	1-19-96	15.37	15,400
West Branch Susquehanna River at Lock Haven, Pa. (01545800)	Lat 41°08’17”, long 77°26’32”, Clinton County, Hydrologic Unit 02050203, on right bank 1,250 ft downstream from Jay Street bridge, and 2.1 mi upstream from Bald Eagle Creek. Drainage area is 3,345 mi^2.	1975-2002	5-14-02	15.21	46,200	1-20-96	25.76	93,900

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 2002—Continued

Station name and number	Location and drainage area	Period of Record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
SUSQUEHANNA RIVER BASIN--Continued								
WEST BRANCH SUSQUEHANNA RIVER BASIN--Continued								
Bald Eagle Creek near Beech Creek Station, Pa. (01548005)	Lat 41°04'51", long 77°32'59", Clinton County, Hydrologic Unit 02050204, on right bank at abandoned railroad bridge, 1.5 mi downstream from Beech Creek, and 4.2 mi downstream from Foster Joseph Sayers Dam. Drainage area is 562 mi^2. Datum of gage is 560 ft above NGVD of 1929, from topographic map.	1910-95≠ 1996-2002	5-13-02	10.87	4,250	3-18-36	[c]14.42	25,600
Lycoming Creek near Williamsport, Pa. (01550500)	Lat 41°16'01", long 77°02'49", Lycoming County, Hydrologic Unit 02050206, 150 ft downstream from concrete bridge on U.S. Highway 15, 1.2 mi downstream from Beautys Run, and 3.4 mi upstream from mouth. Datum of gage is 530.12 ft above NGVD of 1929. Drainage area is 268 mi^2.	1908-13[d] 1982-87* 1988-90 1995-2002	3-26-02	8.56	6,670	1-19-96	18.69	[f]45,000
Muncy Creek near Muncy, Pa. (01553005)	Lat 41°12'27", long 76°45'09", Lycoming County, Hydrologic Unit 02050206, 1,900 ft downstream from Little Muncy Creek, 2,300 ft upstream from bridge on State Highway 405, and 2.2 mi east of Muncy. Drainage area is 209 mi^2.	1989-2002	5-13-02	16.00	9,470	1-19-96	20.57	[g]43,000
JUNIATA RIVER BASIN								
Raystown Branch Juniata River at Wolfsburg, Pa. (01559790)	Lat 40°02'45", long 78°31'45", Bedford County, Hydrologic Unit 02050303, 150 ft upstream from single-span steel-girder bridge on U.S. Highway 30 at Wolfsburg, and 4.7 mi upstream from Dunning Creek. Drainage area is 132 mi^2.	1989-90 1996-2002	5-09-02 5-18-02	9.27	1,380	1-19-96	16.97	9,340
Aughwick Creek near Shirleysburg, Pa. (01564512)	Lat 40°16'55", long 77°53'27", Huntingdon County, Hydrologic Unit 02050304, on left bank 0.2 mi upstream from Sugar Run, and 1.2 mi southwest of Shirleysburg. Drainage area is 301 mi^2.	1990-2002	5-18-02	8.99	4,350	1-19-96	19.46	44,400
Juniata River at Lewistown, Pa. (01564895)	Lat 40°35'40", long 77°34'58", Mifflin County, Hydrologic Unit 02050304, on left bank 1,200 ft upstream from Kishacoquillas Creek. Datum of gage is 443.83 ft above NGVD of 1929. Drainage area is 2,519 mi^2.	1989-2002	5-19-02	13.80	19,100	1-20-96	[h]31.64	74,400

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 2002—Continued

Station name and number	Location and drainage area	Period of Record	Water year 2002 maximum: Date	Water year 2002 maximum: Gage height (ft)	Water year 2002 maximum: Discharge (ft^3/s)	Period of record maximum: Date	Period of record maximum: Gage height (ft)	Period of record maximum: Discharge (ft^3/s)
			SUSQUEHANNA RIVER BASIN--Continued					
			CODORUS CREEK BASIN					
Codorus Creek near York, Pa. (01575500)	Lat 39°56'46", long 76°45'20", York County, Hydrologic Unit 02050306, on left bank 0.5 mi upstream from bridge on Richland Ave. (SR 3054), 2.0 mi downstream from South Branch Codorus Creek, and 2.0 mi southwest of York. Drainage area is 222 mi^2. Datum of gage is 356.39 ft above NGVD of 1929.	1915-23**i** 1926-32**i** 1940-96≠ 1997-2002	6-07-02	4.23	751	6-22-72	**j**26.36	30,000
			CONOWINGO CREEK BASIN					
Conowingo Creek near Buck, Pa. (01578200)	Lat 39°50'35", long 76°11'45", Lancaster County, Hydrologic Unit 02050306, at concrete bridge on SR 3008, 2.0 mi upstream from Jackson Run, and 2.5 mi southeast of Buck. Drainage area is 8.71 mi^2.	1963-2002	2002	<5.0**k**	<174**k**	7-01-84	**m**13.50	6,200

≠ Operated as a continuous-record gaging station.
* Operated as a low-flow partial-record station.
a From floodmark.
b Gage heights only, in reports of Water Supply Commission of Pennsylvania.
c Site and datum in use before October 1984.
d Operated as a continuous-record station by the Pennsylvania Department of Forests and Waters. Published as "at Bridge No. 2, near Williamsport."
f From rating curve extended above 8,000 ft^3/s.
g From rating curve extended above 9,000 ft^3/s.
h From peak-stage indicator.
i Gage heights and discharge measurements only, in reports of Pennsylvania Department of Forests and Waters.
j From floodmark in gage.
k Annual maximum discharge did not reach minimum recording range of gage.
m From floodmark; farm pond failure upstream.
≠ Operated as a continuous-record gaging station.
* Operated as a low-flow partial-record station.
a Operated as a crest-stage partial-record station.
b Most years during period.