

01591400	Cattail Creek near Glenwood, MD	22.9	39°15'21.5"	77°03'03.8"	212C	Contracted Opening, Type 4, and flow through culvert, Type 3	At MD-97 bridge (current gage location), and small secondary culvert, 150 ft north of main bridge on MD-97	December 11, 2003	Unknown	8.84	2870	Gage Datum + 10.0 ft	1.36 ft of fall over 66.5 ft between approach section (20.20 ft) and contracted section (18.84 ft).	
01591400	Cattail Creek near Glenwood, MD	22.9	39°15'21.5"	77°03'03.8"	209C	Contracted Opening, Type 4, with flow over embankment	At MD-97 bridge (current gage location), and small secondary culvert, 150 ft north of main bridge on MD-97	June 13, 2003	Unknown	7.48	1920	Gage Datum + 10.0 ft (using RM-3)	0.35 ft of fall over 66.5 ft between approach section (17.85 ft) and contracted section (17.50 ft)	
01591400	Cattail Creek near Glenwood, MD	22.9	39°15'21.5"	77°03'03.8"	14C	Contracted Opening, with Type 3 Culvert Computation	At MD-97 bridge (current gage location), and small secondary culvert, 150 ft north of main bridge on MD-97	September 6, 1979	Unknown	9.86	3310	Gage Datum + 10.0 ft (based on old gage location and datum, 800 ft US at Roxbury Mills Road).	1.93 ft of drop over 82.5 ft from approach section (20.00 ft) to contracted section (18.07 ft).	Gage was moved to DS side of MD-97 bridge after 1982 water year. However, MD-97 bridge was used for Meas. No. 14C when the recording gage was still located 800 ft upstream at Roxbury Mills Road.
01591500	Cattail Creek at Roxbury Mills, MD	27.7	39°15'17.0"	77°02'43.0"	157S	Slope-Area	0.2 miles upstream from gage	July 21, 1956	Unknown	14.19	10,100	Arbitrary Datum (RP-1 = 10.00 ft)	0.001782 (0.59 ft of fall over 331 ft length of channel).	
01591610	Patuxent River below Brighton Dam near Brighton, MD	78.6	39°11'31.9"	77°00'15.8"	242S	Slope-Area	Starting from gage and extending approximately 800 ft downstream	April 30, 2014	21:30	11.41	7,920	Gage Datum	0.00170 (0.85 ft of fall over 499 ft length of channel between cross sections)	
01591700	Hawlings River near Sandy Spring, MD	27.0	39°10'28.8"	77°01'17.7"	21C	Contracted Opening with flow over road	At gage on MD-650 bridge	September 6, 1979	Unknown	8.80	4,300	Gage Datum + 10.0 ft	1.8 ft of fall over 113.5 ft between approach section (20.5 ft) and contracted section (18.7 ft)	
01592000	Patuxent River near Burtonsville, MD	127.0	39°07'47"	76°55'04"	N/A	Slope-Area Study	At gage and extending upstream approximately 280 ft upstream from gage	September 1, 1952	Unknown	14.56	N/A	Gage Datum	Unknown	No computations made. Peak gage height obtained from well defined high water line on staff gage inside of well.

01592500	Patuxent River near Laurel, MD	132.0	39°06'56.6"	76°52'25.5"	256C	Contracted Opening	Railroad bridge, north of Main Street and south of US-1	June 22, 1972	7:00	25.00	26,000	Arbitrary Datum	4.43 ft of fall over 181 ft between approach section (98.70 ft) and contracted section (94.27 ft)	Additional high water marks were surveyed near and at gage to define peak stage at gage. A slope-area measurement was also attempted in a reach beginning 400 ft downstream from power station--where the gage was destroyed by the flood. The slope-area computation failed and was not used.
01593350	Little Patuxent River Tributary at Guilford Downs, MD	0.95	39°13'39.0"	76°50'41.0"	7C	Culvert Type 1, w/ slope area verification.	Through culvert on US-29	August 27, 1971	Unknown	6.62	210	Gage datum +10.0 ft	slope = 0.01041; 1.79 ft of fall over 172 ft (for slope-area). 0.00744 (0.90 ft of fall over 121 ft through culvert)	CSG station--partial record. Culvert computation yielded 230 cfs; slope-area yielded 191 cfs. Average of both = 210 cfs.
01593350	Little Patuxent River Tributary at Guilford Downs, MD	0.92 (+/- 0.02 sq. mi.)	39°13'39.0"	76°50'41.0"	11C	Culvert, Type 1	Through culvert on US-29	September 26, 1975	Unknown	13.45	412	Arbitrary datum used for survey of upstream culvert. Gage datum used to determine gage height for station at downstream end of new culvert.	4.41 ft of fall over 287 ft length of culvert between approach section (14.98 ft) and downstream end of culvert (10.57 ft).	The gage was originally at the site of this measurement. Culvert was extended about 70 ft upstream in 1973-74, and the gage was relocated to the present site at the culvert about 400 ft downstream.
01593450	Little Patuxent River Tributary above Lake Elkhorn near Guilford, MD	2.47	39°11'16.4"	76°49'50.6"	22S	Slope-Area	Approximately 500 ft downstream of gage	April 30, 2014	13:00	5.56	622	Gage Datum	0.00315 (0.67 ft of fall over 213 ft length of channel)	

01593710	Middle Patuxent River near Simpsonville, MD	48.4	39°11'48.0"	76°53'59.0"	21S	Slope-Area	Approximately 600-800 ft downstream of the gage.	May 6, 1989	01:15	8.84	4,800	Gage Datum + 50.0 ft	0.00364 (2.51 ft of fall in slope-area reach of 690 ft)	Flood was caused by intense rainfall (about 3 inches) that fell between 08:00 on May 5, 1989 and 02:00 on May 6, 1989. Rainfall of about 1.5 inches on May 1-2, 1989 had produced saturated soil conditions.
01594400	Dorsey Run at Annapolis Junction, MD	11.6	39°07'15.0"	76°47'00.0"	54CO	Contracted Opening	600 ft downstream of gage, which at the time was on the left bank just downstream from bridge on MD-647.	September 1, 1952	Unknown	11.99	1,360	Gage Datum (but a different gage datum than used in 2009)	5.53 ft of fall over 53 ft (through abandoned B + O railroad bridge)	Indirect was not loaded in Site Visit.
01594400	Dorsey Run near Jessup, MD	11.6	39°07'15.0"	76°47'00.0"	N/A	N/A	Levels done at discontinued gage to determine peak gage height for flood of June 22, 1972.	June 22, 1972	Unknown	14.00	1,700	Gage Datum (same as gage datum used for September 1, 1952 indirect)	N/A	Not an indirect measurement--discharge estimated based on last known rating. Peak stages for other historical floods were also surveyed, based on marks left on inside of gage house door. 12.84 ft for flood of Aug. 13, 1955; and 11.91 ft for flood of Sept. 1, 1952.
01594400	Dorsey Run near Jessup, MD	11.6	39°07'13.0"	76°46'56.0"	149C	Culvert--Type 3	At culvert on Guilford Road	April 3, 2009	13:15	5.95	800	Gage Datum	About 1.0 feet of fall between approach section (6.55 ft) and outlet section at downstream end of culvert (5.55 ft)	Station previously operated as a continuous station between July 1948 and September 1958; as a CSG station from 1959 to 1968; and as part of a project related to BRAC in water year 2009.

01594445	Mill Branch near Mitchellville, MD	1.1	38°55'44.0"	76°43'03"	5C	Culvert	At culvert on US-301	August 2, 1969	Unknown	11.40	540	Gage Datum	About 4.82 ft of fall between approach section at gage (11.42 ft) and downstream outlet of culvert (6.60 ft)	Marks at culvert also flagged for storms of July 22, 1969; July 3, 1973; March 30, 1974, and September 26, 1975
01594445	Mill Branch near Mitchellville, MD	1.1	38°55'44.0"	76°43'03"	8C	Culvert	At culvert on US-301	September 26, 1975	Unknown	8.90	340	Gage Datum	About 4.37 ft of fall between approach section at gage (8.87 ft) and downstream outlet of culvert (4.50 ft)	Computations for these measurements were not located. Measurements for this station are also not loaded in Site Visit.
01594500	Western Run near Largo, MD	30.2	38°52'24"	76°47'54"	11C	Contracted Opening	Through bridge, just downstream from gage	September 11, 1950	Unknown	7.17	1,130	Gage datum + 10.0 ft	0.42 ft of fall over 68.6 ft between approach section (7.22 ft) and contracted section (6.80 ft).	
01594500	Western Run near Largo, MD	30.2	38°52'24"	76°47'54"	38C	Contracted Opening (with flow over road)	Through bridge and culvert and over the highway, just downstream from gage	September 1, 1952	Unknown	8.06	1,440	Gage Datum	0.34 ft of fall over 68.0 ft between approach section (7.99 ft) and contracted section (7.65 ft)	
01594500	Western Run near Largo, MD	30.2	38°52'24"	76°47'54"	42C	Contracted Opening (with flow over road)	Through bridge and culvert and over the highway, just downstream from gage	November 21, 1952	Unknown	7.68	1,540	Gage Datum	0.40 ft of fall over 68.0 ft between approach section (7.69 ft) and contracted section (7.29 ft)	
01594500	Western Run near Largo, MD	30.2	38°52'24"	76°47'54"	44C	Contracted Opening (with flow over road)	Through bridge and culvert and over the highway, just downstream from gage	March 26, 1953	Unknown	7.37	1,060	Gage Datum	0.26 ft of fall over 68.0 ft between approach section (7.34 ft) and contracted section (7.08 ft)	supplemental information on peak water surface profile for Southwest Branch near Largo, MD; which was done as a study for backwater at the peak of the March 26, 1953 storm.

01594500	Western Run near Largo, MD	30.2	38°52'24"	76°47'54"	N/A	Bridge Survey	At bridge on MD-202	August 27, 1971	Unknown	8.97	1,760	Gage Datum	Partial survey of high water marks and bridge geometry. Information not used for computation.	Peak discharge is from rating curve, not from indirect computation.
01594526	Western Branch at Upper Marlboro, MD	89.7	38°48'51.2"	76°44'55.4"	231C	Contracted Opening, Type 3	Natural width contraction. About 2000 ft downstream of stream gage.	September 8, 2011	0730	20.99	13,000	Arbitrary Datum	0.40 ft of fall over 140 ft between approach section (76.82 ft) and upstream end of contracted section (76.42 ft).	
01594600	Cocktown Creek near Huntingtown, MD	3.85	38°38'27.0"	76°38'07.0"	44C	Contracted Opening	At bridge at gage (MD-510)	June 14, 1960	Unknown	7.96	1,120	Gage Datum + 10.0 ft	1.32 ft of fall over 63.0 ft between approach section (19.42) and contracted section (18.10 ft).	