01595500 NORTH BRANCH POTOMAC RIVER AT KITZMILLER, MD

Potomac Basin
North Branch Potomac Subbasin

LOCATION.--Lat 39°23'38.0", long 79°10'54.1" referenced to North American Datum of 1983, Garrett County, MD, Hydrologic Unit 02070002, on left bank 0.6 mi downstream from bridge on State Highway 38 in Kitzmiller, 1.5 mi downstream from Wolfden Run, and at mile 68.9.

DRAINAGE AREA.--225 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1949 to September 1985, October 1985 to September 2003 (operated as a crest-stage partial-record station only), October 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,571.75 ft above North American Vertical Datum of 1988. Prior to Oct. 15, 1954, at site 0.3 mi upstream at gage datum 7.58 ft higher. Oct. 15, 1954, to Nov. 20, 1955, nonrecording gage at bridge 0.5 mi upstream at gage datum 21.51 ft higher.

REMARKS.--Records good except those for estimated daily discharges (ice effect, erroneous record), which are poor. Flow regulated by Stony River Reservoir, 30.0 mi upstream from station until use of reservoir discontinued June 1987 (see station 01595200). Regulation since 1963 by Virginia Electric and Power Company dam (Mount Storm Lake), 20.0 mi upstream from station. U.S. Army Corps of Engineers satellite data-collection platform at station. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 12	1930	3,550	6.27
Jan 16	1630	3,720	6.41
Jan 31	0500	5,310	7.20
May 8	0215	6,570	7.67
Aug 28	2215	*6,970	*7.79

Minimum discharge, 32 ft^3/s, Oct. 27, 28.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01595500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01595500.2013.pdf

01595500 NORTH BRANCH POTOMAC RIVER AT KITZMILLER, MD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

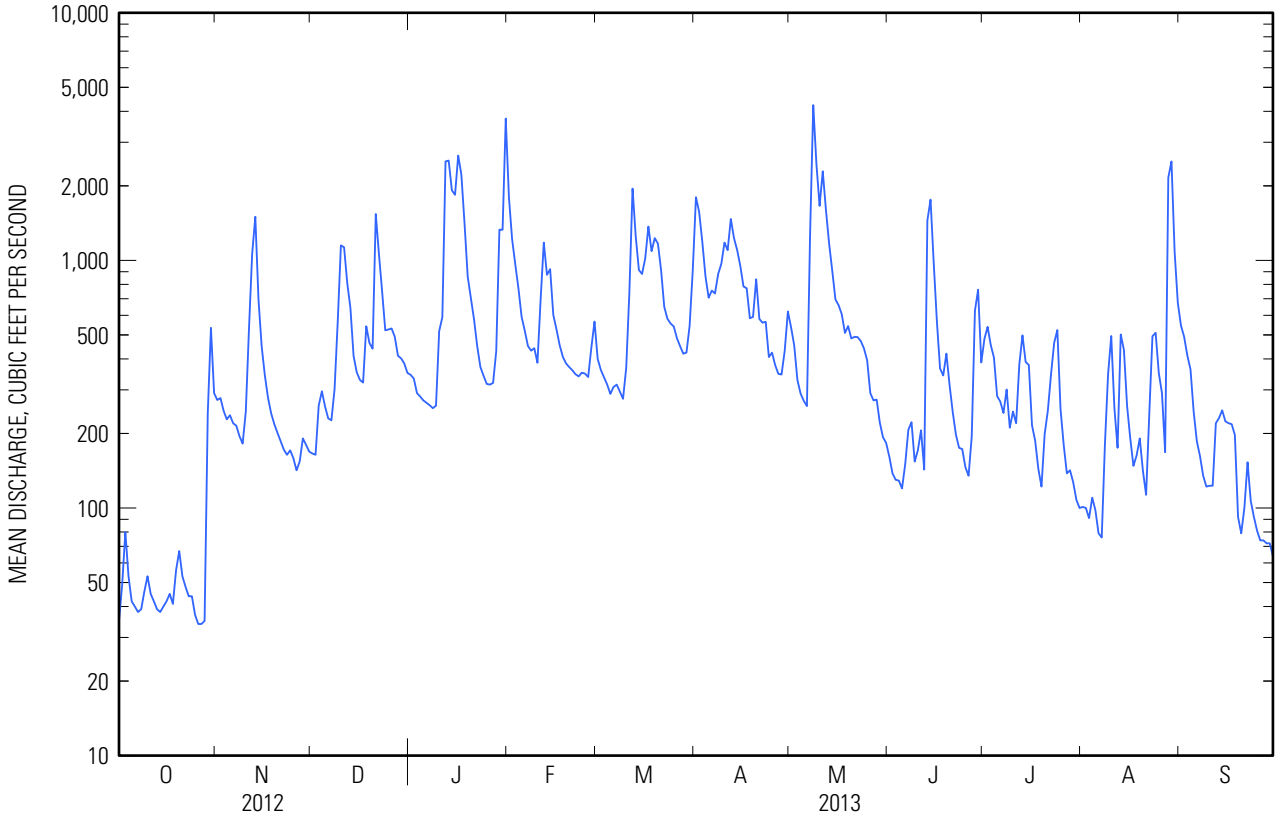
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	273	166	345	1,800	400	1,800	537	161	482	101	545
2	49	278	164	333	1,220	361	1,570	453	138	539	100	491
3	80	247	259	e291	965	337	1,190	329	130	455	91	413
4	53	228	296	e282	771	315	863	290	129	405	110	363
5	42	237	257	e272	592	289	707	271	120	283	98	245
6	40	220	230	e266	520	e308	755	258	150	269	79	186
7	38	215	226	e260	451	e315	735	1,270	207	242	76	162
8	39	195	302	253	432	295	881	4,240	222	301	180	135
9	46	182	567	259	442	276	968	2,450	154	211	e347	122
10	53	245	1,150	518	386	368	1,180	1,660	171	245	e495	123
11	45	528	1,130	590	694	745	1,100	2,290	206	220	253	123
12	42	1,060	810	2,510	1,180	1,950	1,470	1,600	143	380	175	220
13	39	1,500	642	2,530	874	1,250	1,230	1,170	1,450	498	e502	231
14	38	697	411	1,920	922	915	1,100	907	1,760	389	e435	248
15	40	450	353	1,840	602	881	948	695	976	378	258	224
16	42	344	329	2,650	527	1,020	784	659	568	216	191	220
17	45	279	321	2,220	455	1,370	772	606	366	187	148	218
18	41	241	542	1,410	408	1,090	584	509	343	144	163	197
19	56	218	464	860	e384	1,230	591	543	420	122	191	92
20	67	201	440	704	e371	1,170	839	484	314	199	141	79
21	53	186	1,540	577	e360	913	580	491	244	247	113	100
22	48	172	1,060	450	e347	649	560	490	198	346	240	153
23	44	164	749	e371	e340	581	565	472	175	465	494	107
24	44	171	522	e342	e352	556	407	441	173	523	510	92
25	37	159	526	e317	349	541	424	395	146	251	351	81
26	34	142	531	e315	338	485	377	291	135	180	291	74
27	34	154	491	e320	444	450	348	272	195	138	168	74
28	35	191	412	e430	566	420	346	274	626	142	2,160	72
29	241	180	402	1,330	---	424	432	221	761	127	2,510	72
30	534	169	383	1,330	---	544	622	193	387	108	1,080	64
31	291	---	351	3,740	---	916	---	183	---	100	674	---
Total	2,325	9,526	16,026	29,835	17,092	21,364	24,728	24,944	11,168	8,792	12,725	5,526
Mean	75.0	318	517	962	610	689	824	805	372	284	410	184
Max	534	1,500	1,540	3,740	1,800	1,950	1,800	4,240	1,760	539	2,510	545
Min	34	142	164	253	338	276	346	183	120	100	76	64
Cfsm	0.33	1.41	2.30	4.28	2.71	3.06	3.66	3.58	1.65	1.26	1.82	0.82
In.	0.38	1.57	2.65	4.93	2.83	3.53	4.09	4.12	1.85	1.45	2.10	0.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 – 1985, 2004 – 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	199	303	552	588	689	994	779	554	334	176	176	125
Max	908	933	1,659	1,297	1,655	2,193	1,561	1,247	1,003	867	955	546
(WY)	(1977)	(1973)	(1973)	(1952)	(1956)	(1963)	(1958)	(2008)	(1981)	(1978)	(1955)	(2011)
Min	23.3	36.0	88.6	94.2	190	328	265	200	63.2	28.5	24.2	20.2
(WY)	(1954)	(1954)	(1966)	(1981)	(1978)	(2009)	(2012)	(1977)	(1969)	(1952)	(1965)	(1953)

01595500 NORTH BRANCH POTOMAC RIVER AT KITZMILLER, MD—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1950 – 1985, 2004 – 2013	
Annual total	124,594		184,051			
Annual mean	340		504		[a]455	
Highest annual mean					615	1973
Lowest annual mean					276	1959
Highest daily mean	3,240	Mar 1	4,240	May 8	13,200	Aug 18, 1955
Lowest daily mean	20	Sep 17	34	Oct 26[b]	4.6	Oct 3, 1953
Annual seven-day minimum	27	Sep 11	39	Oct 22	4.9	Oct 1, 1953
Maximum peak flow			6,970	Aug 28	[c]50,400	Nov 5, 1985
Maximum peak stage			7.79	Aug 28	[d]14.85	Nov 5, 1985
Instantaneous low flow			32	Oct 27[f]	4.6	Oct 3, 1953
Annual runoff (cfsm)	1.51		2.24		2.02	
Annual runoff (inches)	20.60		30.43		27.46	
10 percent exceeds	764		1,170		1,070	
50 percent exceeds	229		344		257	
90 percent exceeds	40		81		45	

[a] Adjusted for storage 1950-1985.
[b] Oct. 26, 27.
[c] From rating curve extended above 19,000 ft³/s on basis of slope-area measurement of peak flow.
[d] At present site and gage datum.
[f] Oct. 27, 28.