03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC

French Broad-Holston Basin
Pigeon Subbasin

LOCATION.--Lat 35°23′46″, long 82°56′15″ referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, on right bank at upstream side of bridge on Secondary Road 1216, 600 ft upstream from Big Creek, 1.1 mi upstream from Lake Logan, 6.7 mi southeast of Hazelwood, and at river mile 9.3.

DRAINAGE AREA.--27.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1954 to current year.

REVISED RECORDS.--WDR NC-04-1: 1994 (annual maximum discharge)

GAGE.--Water-stage recorder. Datum of gage is 2,976.00 ft above National Geodetic Vertical Datum of 1929, from benchmarks. Satellite and telephone telemetry at streamgage.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum gage height for period of record from high-water mark. Maximum discharge for period of record from rating curve extended above 7,500 ft^3/s on basis of slope area measurement of peak flow. Minimum discharge for period of record also occurred on August 22, 23, 2008.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 03455500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/03455500.2012.pdf

03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

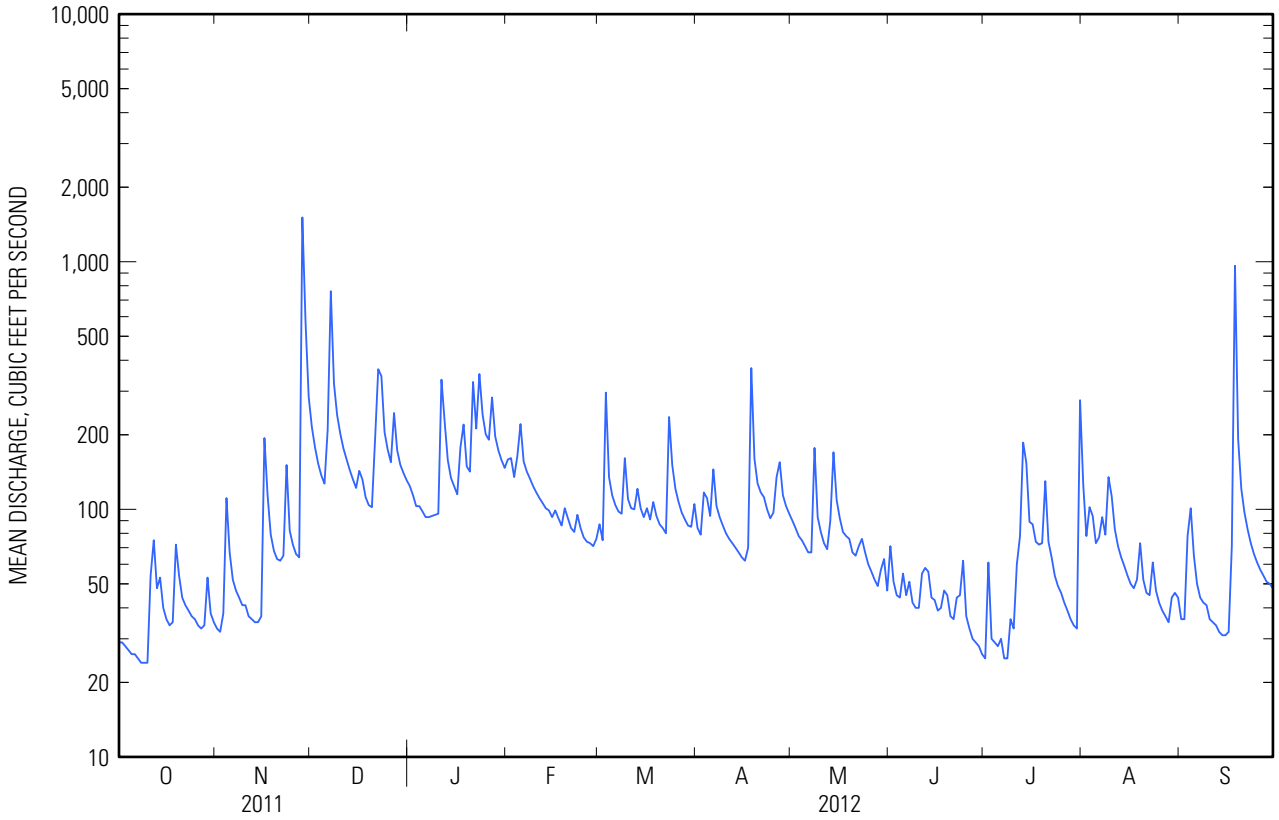
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29	33	215	124	159	87	84	90	71	25	126	36
2	29	32	178	114	161	75	79	84	51	61	78	36
3	28	38	153	e103	135	296	117	78	45	30	102	78
4	27	111	137	e103	164	135	111	75	44	29	94	101
5	26	67	127	98	221	114	94	71	55	28	73	65
6	26	52	209	93	156	104	145	67	45	30	77	50
7	25	47	760	93	142	98	103	67	51	25	93	44
8	24	44	322	94	133	96	93	177	42	25	79	42
9	24	41	240	95	124	161	86	93	40	36	135	41
10	24	41	202	96	117	110	80	81	40	33	113	36
11	54	37	176	334	e111	101	76	73	55	e60	83	35
12	75	36	159	227	e106	100	73	69	58	e78	71	34
13	48	35	144	158	e101	121	70	90	56	186	64	32
14	53	35	132	134	99	101	67	170	44	154	59	31
15	40	37	122	124	93	93	64	109	43	89	54	31
16	36	194	143	115	99	101	62	92	39	87	50	32
17	34	114	132	178	92	91	70	81	40	74	48	71
18	35	79	112	220	86	107	372	78	47	72	52	963
19	72	68	104	149	101	94	160	76	45	73	73	192
20	54	63	102	142	92	87	127	67	37	130	52	121
21	44	62	192	327	84	84	117	65	36	74	46	97
22	41	65	368	212	81	80	112	71	44	64	45	83
23	39	151	345	352	95	236	100	76	45	54	61	73
24	37	82	205	242	84	151	92	67	62	49	47	66
25	36	72	174	201	77	121	97	60	37	46	42	61
26	34	66	155	191	74	107	135	56	33	42	39	57
27	33	64	245	283	73	97	155	52	30	39	37	54
28	34	1,510	173	197	71	91	114	49	29	36	35	51
29	53	572	151	173	76	86	103	57	28	34	44	50
30	38	285	140	158	---	85	96	63	26	33	46	48
31	35	---	131	147	---	105	---	47	---	276	44	---
Total	1,187	4,133	6,148	5,277	3,207	3,515	3,254	2,451	1,318	2,072	2,062	2,711
Mean	38.3	138	198	170	111	113	108	79.1	43.9	66.8	66.5	90.4
Max	75	1,510	760	352	221	296	372	177	71	276	135	963
Min	24	32	102	93	71	75	62	47	26	25	35	31
Cfsm	1.39	4.99	7.19	6.17	4.01	4.11	3.93	2.86	1.59	2.42	2.41	3.27
In.	1.60	5.57	8.29	7.11	4.32	4.74	4.39	3.30	1.78	2.79	2.78	3.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	69.3	91.2	112	125	144	157	135	104	79.3	58.4	56.4	66.1
Max	229	301	234	272	355	312	291	289	213	207	187	575
(WY)	(1965)	(1980)	(1962)	(1998)	(1966)	(1975)	(1983)	(1976)	(1967)	(1967)	(1994)	(2004)
Min	13.5	26.8	29.7	34.0	56.1	53.7	47.8	42.0	27.2	17.4	16.4	13.0
(WY)	(1955)	(1979)	(1966)	(1981)	(2009)	(2006)	(1986)	(2007)	(2008)	(2008)	(1998)	(1954)

03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1954 - 2012	
Annual total	35,033		37,335			
Annual mean	96.0		102		99.9	
Highest annual mean					143	1979
Lowest annual mean					58.6	2008
Highest daily mean	1,510	Nov 28	1,510	Nov 28	4,500	Feb 13, 1966
Lowest daily mean	19	Sep 4	24	Oct 8	9.6	Aug 22, 2008
Annual seven-day minimum	21	Aug 29	25	Oct 4	10	Aug 18, 2008
Maximum peak flow			4,040	Nov 28	[a]12,700	Sep 17, 2004
Maximum peak stage			6.63	Nov 28	[a]10.83	Sep 17, 2004
Instantaneous low flow			23	Oct 9	[a]9.2	Aug 21, 2008
Annual runoff (cfsm)	3.48		3.70		3.62	
Annual runoff (inches)	47.22		50.32		49.16	
10 percent exceeds	177		177		182	
50 percent exceeds	58		78		70	
90 percent exceeds	29		35		26	

[a] See Remarks.