Water-Data Report 2013

03209000 POUND RIVER BELOW FLANNAGAN DAM, NEAR HAYSI, VA

Big Sandy Basin
Upper Levisa Subbasin

LOCATION.--Lat 37°14′13″, long 82°20′36″ referenced to North American Datum of 1927, Dickenson County, VA, Hydrologic Unit 05070202, on right bank 1,100 ft upstream from Blacklog Branch, 1,700 ft downstream from John W. Flannagan Dam, 1.4 mi upstream from mouth, and 3.4 mi northwest of Haysi.

DRAINAGE AREA.--221 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1926 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October1963, published as Pound River near Haysi.

REVISED RECORDS.--WSP 953: 1940-41. WSP 1003: 1942, 1943(P). WSP 1275: 1927-30, 1931(M), 1932-39.

GAGE.--Water-stage recorder. Datum of gage is 1,200.00 ft NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Dec. 20, 1939, nonrecording gage at site 3.8 mi upstream, at different datum. Dec. 20, 1939, to Sept. 30, 1963, water-stage recorder at site 4.6 mi upstream, at datum of 1,279.91 ft NGVD of 1929.

REMARKS.--Records good. Flow regulated since March 1965 by John W. Flannagan Reservoir (station 03208990) 1,700 ft upstream and since August 1966 by North Fork of Pound Lake (station 03208680) 33 mi upstream. Statistics of monthly mean data and summary statistics for water years 1926-1964 (unregulated flow) are available in previous data books, water years 1991-1998. U.S. Army Corps of Engineers satellite precipitation and gage-height telemeter at station. Maximum discharge, about 30,000 ft^3/s, from rating curve extended above 1,750 ft^3/s. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60	832	47	38	2,860	251	148	406	60	180	50	53
2	60	764	47	252	1,970	231	28	464	60	92	50	52
3	60	677	47	469	1,950	232	17	411	60	92	50	52
4	60	677	47	311	1,720	234	14	154	59	92	52	52
5	59	631	47	228	877	419	15	64	59	117	52	52
6	332	327	47	228	440	1,200	15	343	297	133	52	52
7	337	221	47	228	380	1,520	15	601	346	322	51	52
8	71	397	47	228	427	1,080	15	601	220	685	51	52
9	71	430	47	181	495	542	14	601	219	400	52	52
10	71	333	48	159	493	542	14	471	223	190	53	52
11	70	333	413	122	214	428	14	329	367	176	136	52
12	67	334	641	49	188	406	14	329	443	302	225	52
13	333	337	260	49	321	517	14	329	340	368	329	52
14	328	337	79	303	340	522	14	145	238	173	527	52
15	68	369	79	1,280	340	416	36	59	215	72	381	54
16	68	392	79	700	340	360	55	58	218	73	143	54
17	68	392	251	1,670	340	363	57	136	197	72	143	54
18	68	392	271	2,320	340	332	888	250	1,120	416	143	54
19	69	392	125	1,150	218	1,010	1,540	362	1,480	642	123	54
20	324	352	116	1,140	105	1,370	1,880	301	605	571	92	54
21	327	333	197	1,140	105	779	1,420	275	334	223	92	54
22	68	333	197	1,690	261	525	884	376	218	55	92	54
23	68	333	197	1,820	438	360	729	452	218	59	92	52
24	68	333	197	1,190	438	363	579	460	183	59	92	50
25	70	333	197	273	438	1,270	432	460	165	59	92	50
26	70	333	571	123	317	1,450	275	460	173	54	92	184
27	413	333	1,170	123	261	873	215	201	255	50	92	180
28	411	329	1,050	333	261	708	215	60	399	50	78	71
29	169	177	816	632	---	392	308	60	392	50	59	71
30	376	55	682	671	---	392	352	61	392	50	55	73
31	576	---	129	1,210	---	392	---	60	---	50	54	---
Total	5,260	11,811	8,188	20,310	16,877	19,479	10,216	9,339	9,555	5,927	3,645	1,892
Mean	170	394	264	655	603	628	341	301	318	191	118	63.1
Max	576	832	1,170	2,320	2,860	1,520	1,880	601	1,480	685	527	184
Min	59	55	47	38	105	231	14	58	59	50	50	50
Cfsm	0.77	1.78	1.20	2.96	2.73	2.84	1.54	1.36	1.44	0.87	0.53	0.29
In.	0.89	1.99	1.38	3.42	2.84	3.28	1.72	1.57	1.61	1.00	0.61	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	234	321	335	417	474	518	297	358	206	128	111	106
Max	927	1,012	1,003	1,171	1,343	1,181	1,004	1,074	813	405	268	405
(WY)	(1990)	(2012)	(1992)	(1972)	(1994)	(1975)	(1977)	(1975)	(2004)	(2011)	(2001)	(1982)
Min	48.9	24.8	16.1	31.8	92.3	110	42.9	47.4	9.66	5.49	7.13	32.5
(WY)	(1989)	(1966)	(1966)	(1966)	(1992)	(1988)	(2010)	(1982)	(1966)	(1965)	(1965)	(1967)

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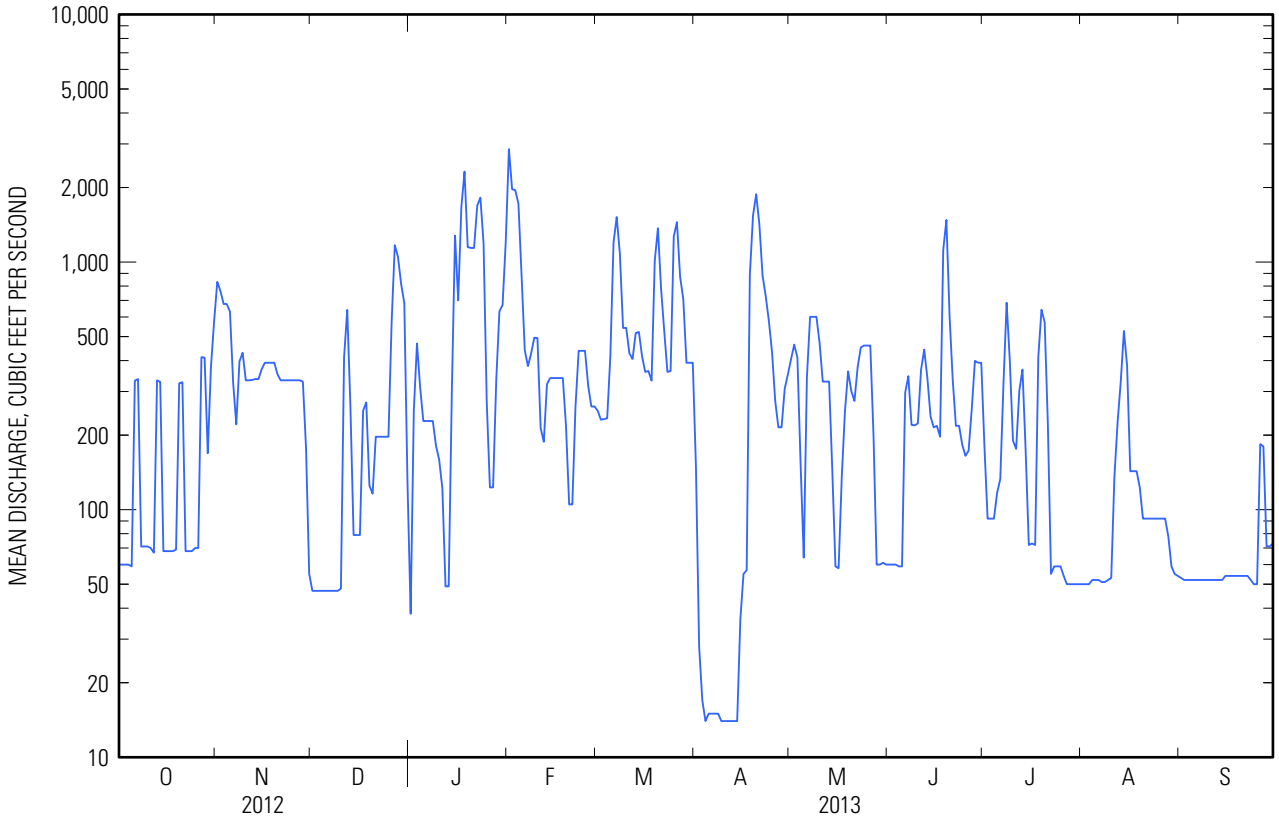
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1965 - 2013	
Annual total	93,734		122,499			
Annual mean	256		336		291	
Highest annual mean					481	1975
Lowest annual mean					120	1966
Highest daily mean	2,070	Apr 28	2,860	Feb 1	4,410	Apr 9, 1977
Lowest daily mean	12	Jan 6[a]	14	Apr 4[b]	2.3	Jun 26, 1965[c]
Annual seven-day minimum	12	Jan 6	14	Apr 8	2.5	Jun 25, 1965
Maximum peak flow			4,000	Feb 1	[d]4,540	Apr 8, 1977
Maximum peak stage			7.73	Feb 1	[d]8.20	Apr 8, 1977
Instantaneous low flow			14	Apr 3[e]	[f,g]0.00	Sep 22, 2000
Annual runoff (cfsm)	1.16		1.52		1.32	
Annual runoff (inches)	15.78		20.62		17.91	
10 percent exceeds	638		743		657	
50 percent exceeds	98		223		146	
90 percent exceeds	35		50		47	

[a] Also Jan. 7-20, 23-26, 2012.
[b] Also Apr. 9-14, 2013.
[c] Also June 27-29, 1965.
[d] Prior to regulation, 1926-64, maximum peak flow, 30,000 ft³/s, Mar. 23, 1929, gage height, 16.50 ft, from floodmarks, site and datum then in use.
[e] Also Apr. 4, 9-15, 2013.
[f] Prior to regulation, 1926-64, instantaneous low flow, less than .10 ft³/s, on several days in September 1932.
[g] No flow due to regulation.