03209000 POUND RIVER BELOW FLANNAGAN DAM, NEAR HAYSI, VA

LOCATION.--Lat 37°14'13", long 82°20'36", NAD83, Dickenson County, 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.

PERIOD OF RECORD.--July 1926 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1963, 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 above sea level (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 79.91 ft higher.

REMARKS.--No estimated daily discharges. 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. Maximum discharge since construction of John W. Flannagan Dam in 1965, 4,540 ft^3/s. Minimum gage height since construction of John W. Flannagan Dam, 0.91 ft, Sept. 26, 1996, when gates in Flannagan Dam were closed for inspection. Several measurements of water temperature were made during the year. Water-quality records for some prior periods have been collected at this location.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	351	166	111	42	307	13	100	138	49	318	409
2	50	222	184	111	139	258	13	486	125	108	102	334
3	50	153	184	102	74	192	13	353	169	176	151	175
4	50	154	168	94	74	161	13	113	169	319	397	117
5	50	155	156	94	45	429	13	92	169	929	417	118
6	50	154	158	94	29	578	14	117	430	228	221	87
7	267	153	158	94	29	359	14	117	574	141	105	53
8	277	153	148	92	36	234	14	117	1200	141	117	53
9	53	182	141	92	58	234	85	117	337	274	156	66
10	53	197	141	93	67	234	215	117	156	240	95	73
11	53	197	141	112	67	235	215	117	215	84	558	74
12	50	197	141	132	140	237	200	82	215	64	221	72
13	50	197	138	136	99	237	189	54	101	88	1410	72
14	285	197	138	136	74	238	189	50	42	88	1460	72
15	262	197	138	136	557	240	189	50	198	88	499	72
16	47	197	138	106	1150	241	189	51	275	88	234	72
17	153	196	79	87	867	241	189	337	126	61	208	55
18	206	194	24	83	2050	241	189	486	48	54	184	51
19	207	193	9.3	55	2180	103	157	236	48	54	186	54
20	206	192	9.0	21	1090	27	111	485	49	54	123	54
21	387	192	59	21	170	18	111	397	50	55	43	54
22	314	189	115	21	313	12	111	1260	50	56	51	54
23	71	189	115	109	341	12	203	2240	432	110	57	56
24	94	189	115	200	247	12	188	2550	212	166	58	101
25	96	189	115	212	247	12	100	1540	85	77	125	189
26	96	187	112	143	669	12	137	371	42	158	159	109
27	96	187	111	36	799	12	160	275	105	1540	92	65
28	340	187	112	36	469	12	111	289	145	1760	92	65
29	367	187	113	200	---	12	111	289	145	213	92	65
30	92	143	111	120	---	12	80	289	88	1240	93	67
31	217	---	111	36	---	12	---	289	---	2080	271	---
TOTAL	4639	5670	3748.3	3115	12122	5164	3536	13466	6138	10783	8295	2958
MEAN	150	189	121	100	433	167	118	434	205	348	268	98.6
MAX	387	351	184	212	2180	578	215	2550	1200	2080	1460	409
MIN	47	143	9.0	21	29	12	13	50	42	49	43	51
(†)	-3953	-4739	-1800	+2002	-91	+5137	+3680	+182	-66	+630	-302	-232
MEAN‡	22.1	31.0	62.8	165	430	332	241	440	202	368	258	90.9
CFSM‡	.10	.14	.28	.75	1.95	1.50	1.09	1.99	.91	1.67	1.17	.41
IN.‡	.12	.16	.33	.86	2.03	1.73	1.22	2.30	1.02	1.92	1.35	.46

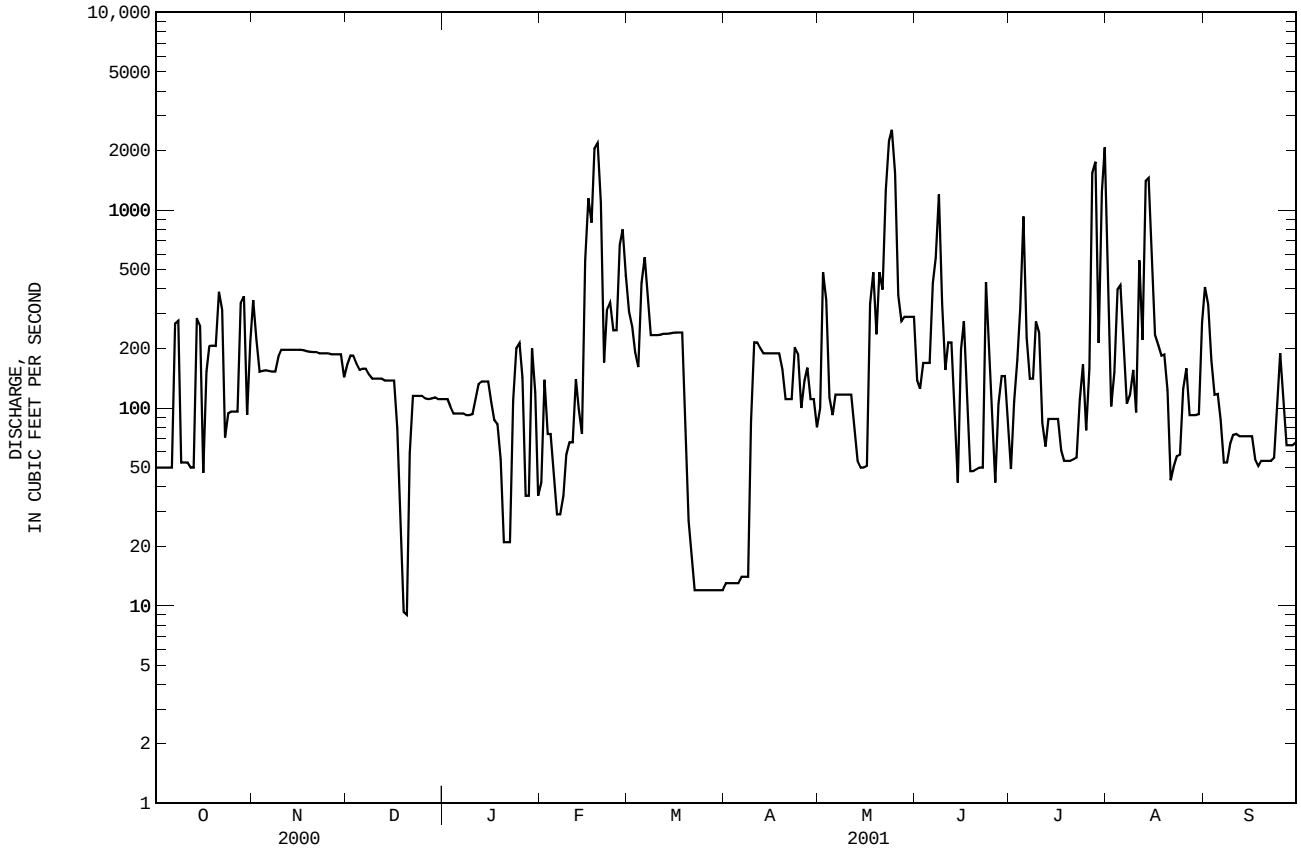
CAL YR 2000 Mean‡ 155 CFSM‡ .70 In.‡ 9.55
WTR YR 2001 Mean‡ 247 CFSM‡ 1.12 In.‡ 15.18

† Total change in contents, equivalent in cubic feet per second, per month, in North Fork of Pound Lake and John W. Flannagan Reservoir; provided by U.S. Army Corps of Engineers.
‡ Adjusted for monthly change in contents.

03209000 POUND RIVER BELOW FLANNAGAN DAM, NEAR HAYSI, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	232	300	323	421	492	520	285	349	180	119	109	94.8
MAX	927	679	1003	1171	1343	1181	1004	1074	756	348	268	405
(WY)	1990	1978	1992	1972	1994	1975	1977	1975	1989	2001	2001	1982
MIN	48.9	24.8	16.1	31.8	92.3	110	46.1	47.4	9.66	5.49	7.13	32.5
(WY)	1989	1966	1966	1966	1992	1988	1995	1982	1966	1965	1965	1967

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	59076.1		79634.3			
ANNUAL MEAN	161		218		285	
HIGHEST ANNUAL MEAN					481	1975
LOWEST ANNUAL MEAN					120	1966
HIGHEST DAILY MEAN	1690	Feb 15	2550	May 24	4410	Apr 9 1977
LOWEST DAILY MEAN	9.0	Dec 20	9.0	Dec 20	2.3	aJun 26 1965
ANNUAL SEVEN-DAY MINIMUM	43	Jan 11	12	Mar 22	2.5	Jun 25 1965
MAXIMUM PEAK FLOW			3730	Jul 27	4540	Apr 8 1977
MAXIMUM PEAK STAGE			7.53	Jul 27	8.20	Apr 8 1977
INSTANTANEOUS LOW FLOW			8.7	bDec 19	(c)	Sep 22 2000
ANNUAL RUNOFF (CFSM)	.73		.99		1.29	
ANNUAL RUNOFF (INCHES)	9.94		13.40		17.51	
10 PERCENT EXCEEDS	307		377		637	
50 PERCENT EXCEEDS	110		136		138	
90 PERCENT EXCEEDS	48		44		46	

a Also June 27-29, 1965.
b Also Dec. 20, 21, 2000.
c Practically no flow, due to regulation.