

WEST BRANCH SUSQUEHANNA RIVER BASIN

01543000 DRIFTWOOD BRANCH SINNEMAHONING CREEK AT STERLING RUN, PA

LOCATION.--Lat 41°24'48", long 78°11'50", Cameron County, Hydrologic Unit 02050202, on left bank at downstream side of highway bridge on SR 3002 at village of Sterling Run, and 300 ft upstream from Sterling Run.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--October 1913 to current year.

REVISED RECORDS.--WSP 1272: Drainage area. WSP 1502: 1933(M), 1934-38, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 894.84 ft above sea level. Oct. 1, 1913, to Sept. 30, 1931, nonrecording gage, Oct. 1, 1931, to Sept. 30, 1932, and Oct. 1, 1942, to Oct. 3, 1991, water-stage recorder at site 50 feet upstream on steel-truss bridge at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 4,700 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Apr. 4	1030	*4,490	*3.81	(No peaks above base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	15	307	e160	e130	1420	240	302	229	117	62	18
2	71	23	e250	159	e110	1200	232	310	205	105	59	16
3	46	222	220	180	e100	905	527	256	206	95	46	15
4	32	155	218	438	e100	746	3610	229	162	111	40	15
5	25	111	208	670	e110	620	2740	225	154	96	32	13
6	20	90	246	616	e100	504	1680	205	361	81	31	11
7	17	79	244	560	e90	418	1200	187	310	72	165	9.8
8	15	69	217	476	e84	378	1650	179	222	64	110	8.8
9	15	62	207	410	e80	341	2140	168	188	59	73	8.3
10	21	58	211	407	e90	316	1710	161	162	79	56	8.3
11	28	58	231	484	e100	284	1240	158	148	73	46	11
12	27	55	203	425	e120	347	963	147	219	56	38	60
13	23	48	192	408	e170	310	702	142	286	47	35	135
14	167	44	417	345	e240	290	568	158	304	41	30	70
15	121	42	1300	334	371	290	494	126	268	41	25	54
16	76	39	1180	e340	347	306	430	113	432	62	222	74
17	56	35	901	e220	e300	746	440	107	368	65	106	61
18	42	32	678	e210	282	771	481	133	454	51	73	42
19	32	31	523	e200	314	732	473	1980	767	38	62	32
20	26	34	462	e280	310	627	478	1750	574	34	50	28
21	23	45	505	e210	e260	653	792	1200	491	31	39	45
22	22	48	421	e180	e240	879	1590	837	625	32	32	55
23	22	42	382	e180	e300	842	1990	660	429	32	35	38
24	24	39	346	e220	e700	779	1570	1480	331	26	62	79
25	28	44	e300	e190	2410	673	1130	1430	265	22	40	85
26	26	1710	e290	e180	3320	562	827	1090	222	19	28	68
27	22	1870	e270	e140	2520	474	631	753	245	17	23	76
28	19	1030	244	e110	2560	424	506	560	195	18	23	61
29	18	614	229	e100	1870	377	416	437	157	21	22	50
30	17	422	e210	e90	---	319	350	335	138	28	21	42
31	16	---	193	e120	---	272	---	270	---	36	19	---
TOTAL	1229	7166	11805	9042	17728	17805	31800	16088	9117	1669	1705	1289.2
MEAN	39.6	239	381	292	611	574	1060	519	304	53.8	55.0	43.0
MAX	167	1870	1300	670	3320	1420	3610	1980	767	117	222	135
MIN	15	15	192	90	80	272	232	107	138	17	19	8.3
CFSM	.15	.88	1.40	1.07	2.25	2.11	3.90	1.91	1.12	.20	.20	.16
IN.	.17	.98	1.61	1.24	2.42	2.44	4.35	2.20	1.25	.23	.23	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	190	406	490	514	550	992	914	627	326	165	118	125
MAX	838	1918	1394	2027	2047	3366	2310	1758	1783	1308	1294	743
(WY)	1918	1951	1928	1937	1918	1936	1940	1953	1972	1942	1994	1987
MIN	10.0	21.2	24.5	33.2	76.0	250	199	104	38.8	16.9	9.20	5.16
(WY)	1965	1965	1961	1961	1963	1981	1946	1941	1991	1966	1957	1964

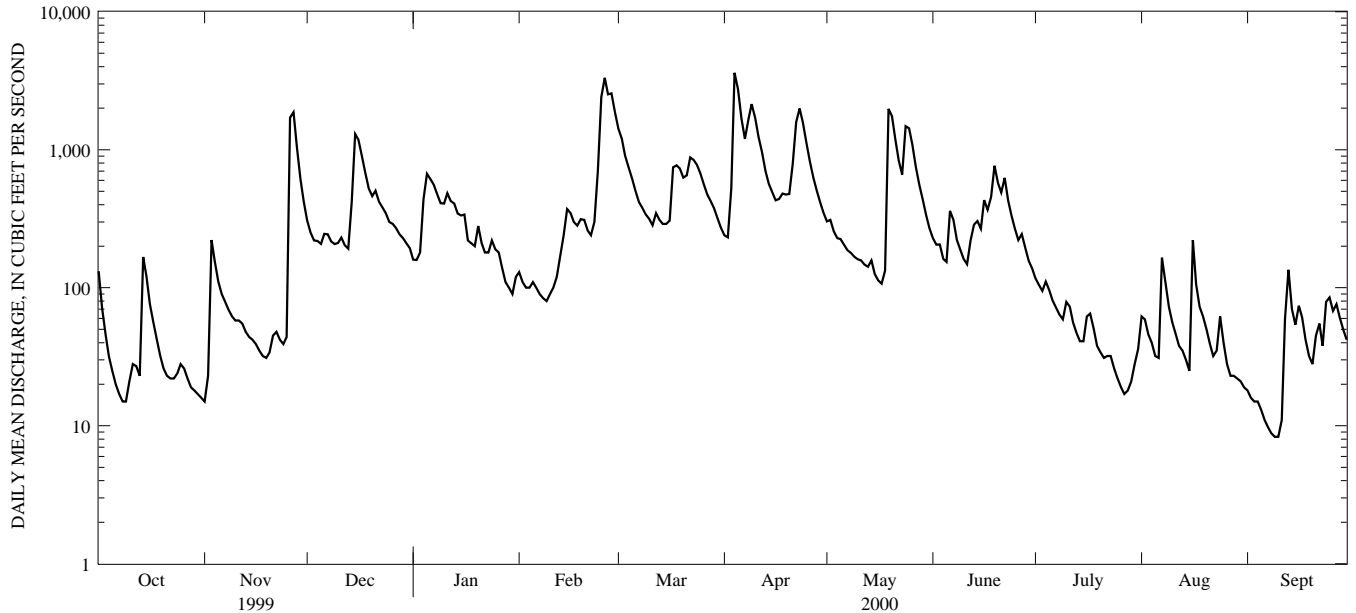
e Estimated.

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	119710.5		126443.2			
ANNUAL MEAN	328		345		451	
HIGHEST ANNUAL MEAN					735	
LOWEST ANNUAL MEAN					235	
HIGHEST DAILY MEAN	e5400	Jan 24	3610	Apr 4	18600	Jun 23 1972
LOWEST DAILY MEAN	1.8	Sep 6	8.3	Sep 9,10	.40	Sep 13 1930
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 31	10	Sep 5	.87	Aug 28 1939
INSTANTANEOUS PEAK FLOW			4490	Apr 4	a47800	Jul 18 1942
INSTANTANEOUS PEAK STAGE			3.81	Apr 4	b14.70	Jul 18 1942
INSTANTANEOUS LOW FLOW					.40	Sep 12 1930c
ANNUAL RUNOFF (CFSM)	1.21		1.27		1.66	
ANNUAL RUNOFF (INCHES)	16.37		17.29		22.52	
10 PERCENT EXCEEDS	905		830		1080	
50 PERCENT EXCEEDS	103		180		205	
90 PERCENT EXCEEDS	11		23		26	

- a From rating curve extended above 11,000 ft³/s on basis of slope-area measurement of peak flow.
- b From floodmarks.
- c Also Sept. 13, 14, 1930.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000