

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)
Jan. 24	1445	*7,060	*5.31	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	29	34	e90	583	370	1710	354	84	36	16	4.8
2	12	27	36	e82	713	309	1970	310	91	228	33	3.9
3	12	26	35	e100	873	325	1760	276	106	140	15	3.2
4	18	23	33	e110	989	1110	1660	248	94	72	9.8	2.7
5	29	22	36	e100	976	870	1360	227	76	47	13	1.9
6	22	22	43	e96	884	783	1060	210	66	36	23	1.8
7	16	22	41	e94	788	632	882	196	60	103	17	6.8
8	326	22	38	e92	668	e480	722	205	55	71	13	24
9	230	22	38	e120	551	e470	900	234	48	43	20	17
10	197	24	35	e150	539	449	1250	194	42	103	20	11
11	124	34	33	e140	513	e370	1270	168	43	83	13	7.9
12	86	54	31	e130	630	347	1250	154	39	49	10	6.1
13	65	42	e26	e150	895	316	1070	146	33	34	9.8	5.1
14	53	35	e25	e160	822	317	912	137	30	25	16	5.5
15	47	32	e24	e180	693	308	754	125	39	21	73	7.4
16	42	31	e30	e180	612	322	676	113	37	18	37	19
17	37	29	e25	e170	643	408	723	104	27	37	17	72
18	33	28	e22	e250	756	949	672	99	25	42	13	44
19	39	27	e22	e700	722	1060	717	96	24	22	10	20
20	56	26	e23	e750	640	888	851	91	20	18	11	13
21	43	31	e37	e670	541	877	893	80	18	18	31	14
22	39	35	1560	e400	e420	899	924	74	15	17	29	20
23	36	32	894	e600	e340	738	985	73	13	14	17	18
24	32	29	e500	e5400	e340	715	1230	114	12	13	12	13
25	30	28	e290	3350	e310	845	1190	262	11	11	10	11
26	29	31	e240	1720	e280	843	1010	168	11	9.8	10	9.5
27	e28	42	e230	1170	e270	882	798	145	11	10	11	8.6
28	28	41	e210	957	e290	1040	614	127	25	9.6	11	8.1
29	32	37	e170	949	---	1280	495	112	32	7.4	11	8.5
30	34	34	e120	829	---	1450	411	99	59	6.7	8.4	226
31	32	---	e100	680	---	1500	---	89	---	8.8	6.4	---
TOTAL	1822	917	4981	20569	17281	22152	30719	5030	1246	1353.3	546.4	613.8
MEAN	58.8	30.6	161	664	617	715	1024	162	41.5	43.7	17.6	20.5
MAX	326	54	1560	5400	989	1500	1970	354	106	228	73	226
MIN	12	22	22	82	270	308	411	73	11	6.7	6.4	1.8
CFSM	.22	.11	.59	2.44	2.27	2.63	3.76	.60	.15	.16	.06	.08
IN.	.25	.13	.68	2.81	2.36	3.03	4.20	.69	.17	.19	.07	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1999, BY WATER YEAR (WY)

MEAN	192	408	492	517	549	997	913	629	327	167	119	126
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

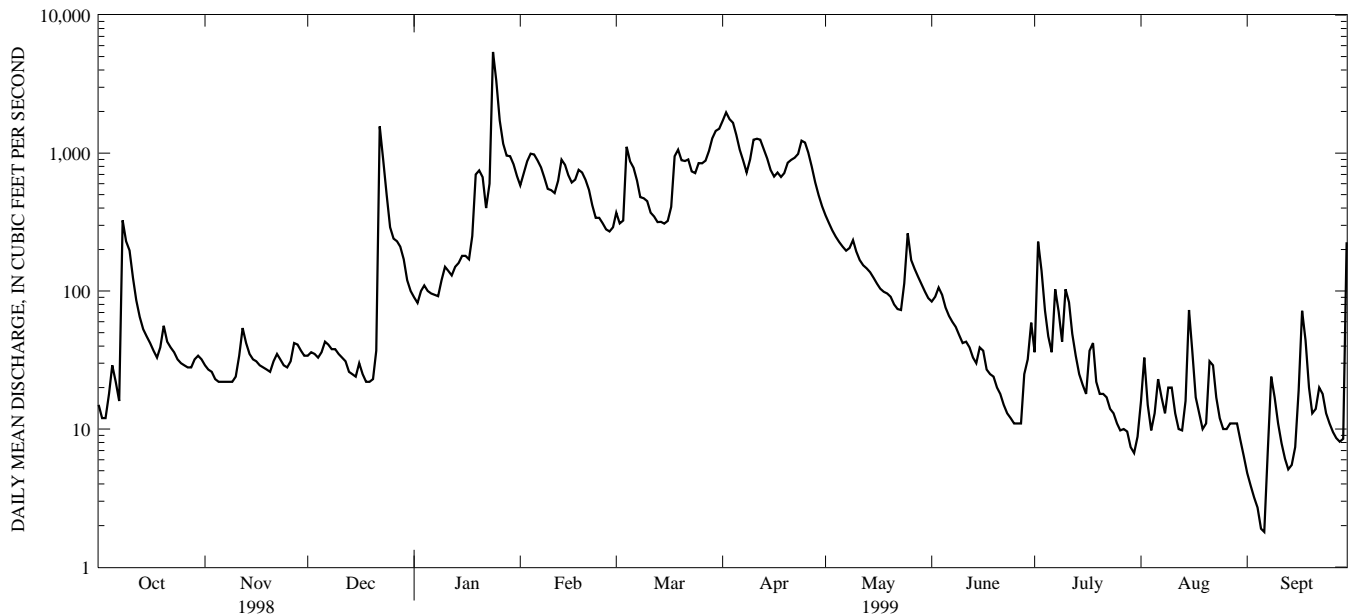
e Estimated.

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1914 - 1999	
ANNUAL TOTAL	125894.0			107230.5				
ANNUAL MEAN	345			294			452	
HIGHEST ANNUAL MEAN							735	
LOWEST ANNUAL MEAN							235	
HIGHEST DAILY MEAN	6010	Jan	8	e5400	Jan	24	18600	Jun 23 1972
LOWEST DAILY MEAN	4.5	Aug	9	1.8	Sep	6	.40	Sep 13 1930
ANNUAL SEVEN-DAY MINIMUM	6.0	Aug	3	3.5	Aug	31	.87	Aug 28 1939
INSTANTANEOUS PEAK FLOW				7060	Jan	24	a47800	Jul 18 1942
INSTANTANEOUS PEAK STAGE				5.31	Jan	24	b14.70	Jul 18 1942
INSTANTANEOUS LOW FLOW							.40	Sep 12 1930 ^c
ANNUAL RUNOFF (CFSM)	1.27			1.08			1.66	
ANNUAL RUNOFF (INCHES)	17.22			14.67			22.59	
10 PERCENT EXCEEDS	987			893			1080	
50 PERCENT EXCEEDS	75			65			205	
90 PERCENT EXCEEDS	17			11			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, 1998 TO SEPTEMBER 30, 1999