

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)
Mar. 22	0600	*3,480	*3.10	(No peaks above base discharge.)			

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	38	67	226	e130	e300	202	684	238	300	172	21	97
2	34	64	197	e120	e260	211	748	221	331	210	17	63
3	32	62	e150	e110	e240	196	748	203	348	131	35	35
4	33	61	e140	e100	e220	184	699	184	297	119	59	25
5	59	60	e180	e110	e230	182	655	169	263	114	32	25
6	591	58	e160	e110	e200	163	801	152	242	105	21	21
7	281	55	e130	e100	e190	194	1150	138	221	88	16	16
8	197	53	e180	e90	e180	159	1370	127	194	80	14	14
9	156	55	e150	e81	e190	152	1270	133	169	77	13	13
10	134	119	e130	e86	e800	140	1160	123	152	69	12	12
11	118	152	e140	e90	e1000	119	949	117	159	103	11	12
12	105	126	e320	e80	840	137	792	173	143	92	11	11
13	94	117	333	e90	686	364	649	149	129	66	11	11
14	85	117	306	e100	673	787	522	122	111	57	9.9	69
15	78	116	287	103	1280	701	442	120	99	51	9.7	61
16	74	112	255	108	1360	615	698	111	96	47	10	29
17	76	107	e1200	108	1190	691	790	105	117	71	23	20
18	175	106	1450	103	883	716	815	105	88	78	26	16
19	156	99	1020	102	706	687	731	101	75	63	17	14
20	126	93	719	103	597	710	646	90	65	49	13	15
21	117	91	510	e95	527	925	839	89	77	41	13	18
22	110	e82	392	e90	e350	3050	860	117	322	33	13	21
23	102	e80	e280	e85	e320	2070	854	415	1150	29	13	28
24	98	e76	e240	e90	e280	1530	755	292	1220	27	25	26
25	100	e74	e220	e95	e280	1140	600	250	682	28	25	190
26	93	165	e200	e82	301	864	481	342	401	56	18	117
27	88	317	e220	e72	245	652	410	1040	276	45	94	79
28	86	284	e190	e72	222	514	347	967	210	28	62	77
29	80	263	e170	e69	---	435	293	728	169	22	36	67
30	74	255	e150	e80	---	550	259	516	144	23	26	51
31	70	---	e140	e240	---	654	---	368	---	24	25	---
TOTAL	3660	3486	10385	3094	14550	19694	22017	8005	8250	2198	731.6	1253
MEAN	118	116	335	99.8	520	635	734	258	275	70.9	23.6	41.8
MAX	591	317	1450	240	1360	3050	1370	1040	1220	210	94	190
MIN	32	53	130	69	180	119	259	89	65	22	9.7	11
CFSM	.43	.43	1.23	.37	1.91	2.34	2.70	.95	1.01	.26	.09	.15
IN.	.50	.48	1.42	.42	1.99	2.69	3.01	1.09	1.13	.30	.10	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	189	403	489	509	549	988	912	623	326	164	117	124
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	123774.2		97323.6			
ANNUAL MEAN	338		267		449	
HIGHEST ANNUAL MEAN					735	
LOWEST ANNUAL MEAN					235	
HIGHEST DAILY MEAN	3610	Apr 4	3050	Mar 22	18600	Jun 23 1972
LOWEST DAILY MEAN	8.3	Sep 9,10	9.7	Aug 15	.40	Sep 13 1930
ANNUAL SEVEN-DAY MINIMUM	10	Sep 5	11	Aug 10	.87	Aug 28 1939
MAXIMUM PEAK FLOW			3480	Mar 22	a 47800	Jul 18 1942
MAXIMUM PEAK STAGE			3.10	Mar 22	b 14.70	Jul 18 1942
INSTANTANEOUS LOW FLOW					.40	Sep 12 1930 ^c
ANNUAL RUNOFF (CFSM)	1.24		.98		1.65	
ANNUAL RUNOFF (INCHES)	16.93		13.31		22.42	
10 PERCENT EXCEEDS	773		738		1070	
50 PERCENT EXCEEDS	162		123		204	
90 PERCENT EXCEEDS	34		24		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.

