

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01543500 SINNEMAHONING CREEK AT SINNEMAHONING, PA

**LOCATION.**--Lat 41°19'02", long 78°06'12", Cameron County, Hydrologic Unit 02050202, on left bank 0.2 mi upstream from Grove Run, and 0.7 mi upstream from Penn Central Railroad bridge at Sinnemahoning.

**DRAINAGE AREA.**--685 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1938 to current year. Prior to October 1938 monthly discharge only, published in WSP 1302.

**GAGE.**--Water-stage recorder. Datum of gage is 769.36 ft above sea level.

**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.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Maximum stage known, 21.94 ft, Mar. 18, 1936, from floodmark, discharge, 61,200 ft<sup>3</sup>/s, from rating curve extended above 31,000 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 21.58 ft.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 8,400 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Apr. 4	1300	*9,280	*7.47	No other peak greater than 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	413	52	819	e450	e320	3230	744	925	641	481	252	71
2	198	60	684	448	e290	2920	698	958	563	422	293	68
3	119	486	610	480	e260	2260	1320	833	583	383	296	62
4	86	437	563	912	e250	1920	7150	731	487	398	231	59
5	67	289	542	1580	e280	1650	6500	708	452	365	163	77
6	58	225	586	1330	e270	1380	4210	650	763	311	136	58
7	52	184	640	1240	e240	1170	2970	598	810	276	718	50
8	46	156	541	1110	e230	1060	3240	563	577	246	964	46
9	47	138	499	992	e210	970	4340	531	489	221	586	44
10	53	127	492	999	e230	905	3560	507	430	244	424	43
11	69	123	557	1320	e260	819	2720	505	391	252	334	44
12	78	117	503	1150	e330	989	2250	459	541	202	295	91
13	70	108	478	1080	e450	929	1750	444	618	170	255	338
14	205	99	696	951	e580	837	1450	474	932	153	217	244
15	300	90	2570	e800	e900	810	1270	412	846	163	183	150
16	179	85	2330	e800	e860	809	1140	373	1680	245	342	169
17	127	81	1910	e700	e760	1700	1400	349	1360	235	286	172
18	101	78	1520	e540	e680	1750	1720	341	1310	186	200	125
19	83	72	1240	e660	e800	1680	1650	2420	1920	147	173	96
20	75	76	1090	e720	e780	1540	1580	2600	1470	128	147	82
21	69	87	1210	e560	e680	1740	2310	1870	1290	122	122	97
22	66	106	1010	e450	e620	3080	4830	1420	1990	127	106	161
23	66	99	e840	e450	e780	2710	5990	1190	1420	124	112	129
24	68	88	e760	e540	e1700	2370	4460	3300	1100	105	164	392
25	71	92	e680	e480	e4500	2020	3190	3190	883	90	147	432
26	72	3340	e680	e450	7240	1690	2380	2410	753	80	108	306
27	68	4570	e660	e360	5560	1410	1890	1780	903	73	89	367
28	62	2370	657	e290	5790	1280	1540	1390	887	76	84	286
29	59	1510	625	e260	4190	1120	1280	1130	655	87	83	229
30	55	1080	596	e240	---	979	1080	903	563	94	80	194
31	54	---	543	e260	---	835	---	746	---	112	74	---
TOTAL	3136	16425	27131	22602	40040	48562	80612	34710	27307	6318	7664	4682
MEAN	101	548	875	729	1381	1567	2687	1120	910	204	247	156
MAX	413	4570	2570	1580	7240	3230	7150	3300	1990	481	964	432
MIN	46	52	478	240	210	809	698	341	391	73	74	43
CFSM	.15	.80	1.28	1.06	2.02	2.29	3.92	1.63	1.33	.30	.36	.23
IN.	.17	.89	1.47	1.23	2.17	2.64	4.38	1.88	1.48	.34	.42	.25

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	468	973	1273	1263	1458	2455	2333	1587	837	422	303	320
MAX	2186	4836	2883	4349	3732	5608	5500	3771	4066	2134	2596	1706
(WY)	1991	1951	1973	1952	1976	1945	1940	1953	1972	1992	1994	1975
MIN	31.5	52.0	64.1	91.8	257	771	556	313	97.3	37.9	28.7	29.6
(WY)	1965	1965	1961	1961	1963	1981	1946	1941	1999	1966	1957	1939

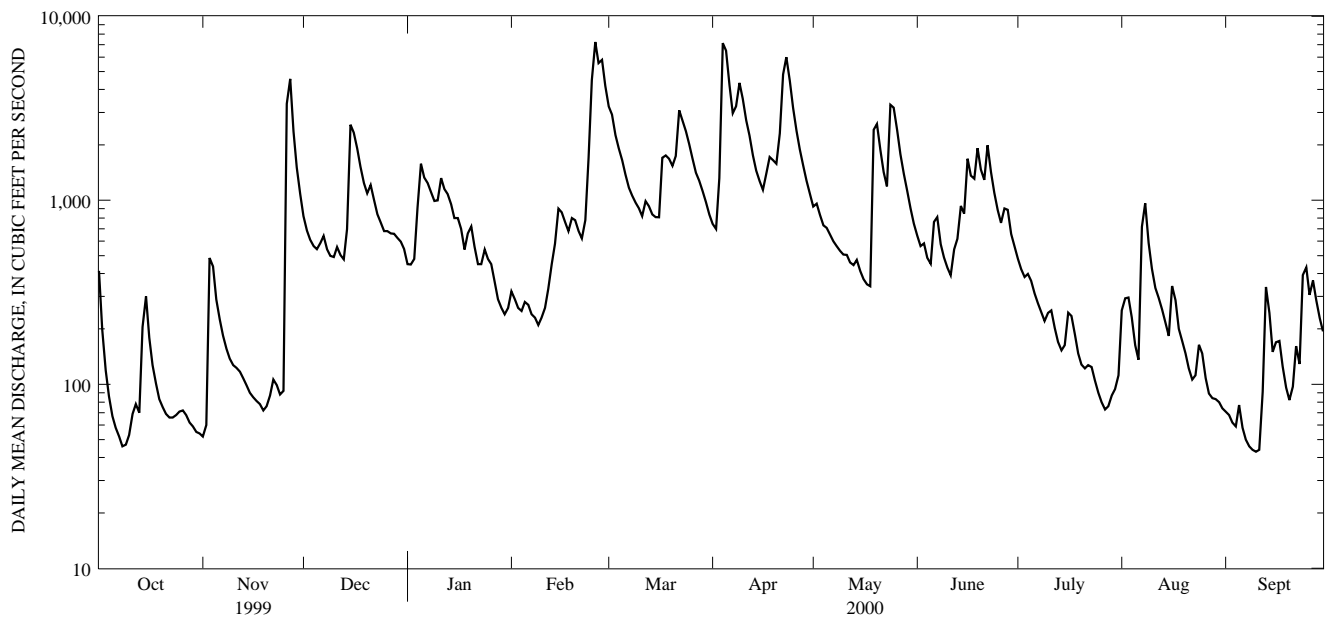
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01543500 SINNEMAHONING CREEK AT SINNEMAHONING, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	289016		319189		1139	
ANNUAL MEAN	792		872		1798	
HIGHEST ANNUAL MEAN					1951	
LOWEST ANNUAL MEAN					705	
HIGHEST DAILY MEAN	e12000	Jan 24	7240	Feb 26	44000	Jun 23 1972
LOWEST DAILY MEAN	16	Sep 5,6	43	Sep 10	1.4	Sep 3 1939
ANNUAL SEVEN-DAY MINIMUM	21	Sep 1	52	Sep 5	4.2	Aug 29 1939
INSTANTANEOUS PEAK FLOW			9280	Apr 4	a60800	Jun 23 1972
INSTANTANEOUS PEAK STAGE			7.47	Apr 4	21.78	Jun 23 1972
INSTANTANEOUS LOW FLOW					1.2	Sep 4 1939
ANNUAL RUNOFF (CFSM)	1.16		1.27		1.66	
ANNUAL RUNOFF (INCHES)	15.70		17.33		22.59	
10 PERCENT EXCEEDS	2250		2090		2760	
50 PERCENT EXCEEDS	232		490		561	
90 PERCENT EXCEEDS	41		76		70	

a From rating curve extended above 31,000 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 21.58 ft.  
 e Estimated.



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