

WEST BRANCH SUSQUEHANNA RIVER BASIN

01544000 FIRST FORK SINNEMAHONING CREEK NEAR SINNEMAHONING, PA

LOCATION.--Lat 41°24'06", long 78°01'28", Cameron County, Hydrologic Unit 02050202, on right bank on Township Route 357, 350 ft downstream from Woodrock Run, 1,500 ft upstream from Roaring Run, 0.8 mi downstream from George B. Stevenson Dam (First Fork Sinnemahoning Creek Reservoir), and 7.5 mi northeast of Sinnemahoning.

DRAINAGE AREA.--245 mi².

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 878.71 ft above sea level. Prior to Apr. 1, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since Jan. 31, 1956 by George B. Stevenson Dam (station 01543900). Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known, 80,000 ft³/s, July 18, 1942, by slope-area measurement.

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	36	63	401	164	153	210	703	274	140	140	21	96
2	29	63	286	115	128	204	752	250	174	236	21	127
3	29	47	217	97	128	188	736	249	220	184	21	108
4	30	39	182	133	121	177	738	231	237	68	20	51
5	30	43	218	120	138	161	646	200	202	84	20	27
6	278	44	199	115	135	117	1000	171	202	145	21	17
7	310	44	150	115	139	198	1390	159	191	121	21	16
8	207	44	150	115	123	167	2060	137	172	44	21	28
9	196	42	150	97	124	134	1970	127	147	33	16	33
10	152	82	110	80	345	134	2250	127	130	62	14	26
11	119	134	155	77	737	134	1730	127	115	99	13	23
12	97	129	222	78	597	114	1200	125	107	112	13	23
13	104	119	278	70	568	170	953	143	106	86	13	23
14	87	127	262	72	485	390	656	144	84	39	13	23
15	66	112	313	94	696	444	645	100	73	24	13	72
16	57	129	253	81	1070	418	652	77	41	24	13	48
17	74	98	705	86	982	449	646	77	47	42	32	14
18	86	83	1440	69	790	477	708	76	69	50	73	15
19	184	93	1030	76	659	533	709	76	59	51	56	23
20	140	99	700	76	532	551	638	76	53	51	35	33
21	137	93	533	71	488	637	675	76	43	50	25	33
22	104	75	440	51	389	1870	798	86	63	34	13	33
23	91	58	322	e46	302	1760	985	169	694	18	13	30
24	112	49	242	66	329	1240	915	153	1000	14	13	25
25	100	61	288	76	271	963	734	94	668	13	13	90
26	83	127	141	50	307	781	597	119	412	56	16	276
27	82	308	170	36	221	640	499	150	302	98	46	130
28	83	517	222	60	210	550	417	174	254	57	103	88
29	65	472	150	70	---	460	392	192	195	21	110	86
30	54	466	122	63	---	485	339	181	158	21	68	94
31	60	---	164	119	---	630	---	163	---	21	35	---
TOTAL	3282	3860	10215	2638	11167	15386	27133	4503	6358	2098	925	1711
MEAN	106	129	330	85.1	399	496	904	145	212	67.7	29.8	57.0
MAX	310	517	1440	164	1070	1870	2250	274	1000	236	110	276
MIN	29	39	110	36	121	114	339	76	41	13	13	14

e Estimated.

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01544000 FIRST FORK SINNEMAHONING CREEK NEAR SINNEMAHONING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	212	390	464	379	470	804	885	502	270	160	117	134
MAX (WY)	1033	1162	1051	1131	1452	1820	2300	1037	1334	808	977	837
MIN (WY)	1991	1986	1991	1996	1981	1964	1993	1984	1989	1992	1994	1975
MIN (WY)	9.76	17.6	21.3	16.6	77.9	171	320	103	39.5	14.5	14.2	5.31
MIN (WY)	1964	1965	1961	1961	1963	1960	1976	1985	1999	1966	1962	1964

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1956 - 2001

ANNUAL TOTAL		125575		89276								
ANNUAL MEAN		343		245						398		
HIGHEST ANNUAL MEAN										640		1994
LOWEST ANNUAL MEAN										236		1999
HIGHEST DAILY MEAN				3000	Feb 28		2250	Apr 10		7360	Mar 10	1956
LOWEST DAILY MEAN				14	Aug 5a		13	Jul 25b		.10	Aug 8	1975
ANNUAL SEVEN-DAY MINIMUM				15	Sep 5		13	Aug 10		3.6	Oct 23	1963
MAXIMUM PEAK FLOW							2620	Mar 22		10200	Mar 1	1956
MAXIMUM PEAK STAGE							2.72	Mar 22		6.60	Mar 1	1956
10 PERCENT EXCEEDS				887			663			950		
50 PERCENT EXCEEDS				164			121			192		
90 PERCENT EXCEEDS				32			24			27		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	55.2	101	374	394	467	1277	699	391	177	30.6	44.6	20.4
MAX (WY)	96.7	132	509	503	631	1672	936	626	260	38.9	74.4	23.4
MIN (WY)	1955	1955	1955	1955	1954	1955	1954	1954	1954	1954	1955	1955
MIN (WY)	13.7	70.0	239	285	304	883	462	156	93.4	22.3	14.9	17.4
MIN (WY)	1954	1954	1954	1954	1955	1954	1955	1955	1955	1955	1954	1954

SUMMARY STATISTICS WATER YEARS 1954 - 1955

ANNUAL MEAN	336											
HIGHEST ANNUAL MEAN	339					1955						
LOWEST ANNUAL MEAN	332					1954						
HIGHEST DAILY MEAN	5020				Mar 2	1954						
LOWEST DAILY MEAN	5.6				Sep 22	1955						
ANNUAL SEVEN-DAY MINIMUM	8.3				Sep 6	1954						
INSTANTANEOUS PEAK FLOW	7000				Mar 1	1954						
INSTANTANEOUS PEAK STAGE	5.64				Mar 1	1954						
ANNUAL RUNOFF (CF SM)	1.37											
ANNUAL RUNOFF (INCHES)	18.63											
10 PERCENT EXCEEDS	980											
50 PERCENT EXCEEDS	103											
90 PERCENT EXCEEDS	14											

a Also Aug. 6, Sept. 6-10.
 b Also Aug. 11-16, 22-25.

