

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01549700 PINE CREEK BELOW LITTLE PINE CREEK NEAR WATERVILLE, PA

**LOCATION.**--Lat 41°16'25", long 77°19'28", Lycoming County, Hydrologic Unit 02050205, on left bank on State Highway 44, on abutment of abandoned bridge 0.9 mi downstream from Ramsey Run, 4.0 mi downstream from Little Pine Creek, 4.0 mi south of Waterville, and 9.2 mi upstream from mouth.

**DRAINAGE AREA.**--944 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1957 to current year.

**REVISED RECORDS.**--WDR PA-72-1: 1964(P).

**GAGE.**--Water-stage recorder. Datum of gage is 570.62 ft above sea level. Prior to June 16, 1982, nonrecording gage at same site and datum.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Flood flows subject to regulation by Little Pine Dam 8.5 mi upstream, capacity 24,900 acre-ft. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 9,200 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. 10	0745	*12,000	*7.16	No other peak greater than 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	99	154	474	e700	764	e610	3020	1110	571	346	106	266
2	121	152	431	e670	877	612	2770	1020	591	510	100	333
3	168	150	e370	e640	728	584	2450	934	642	450	96	234
4	151	166	e340	e610	643	564	2320	850	640	339	94	193
5	137	145	e320	e580	667	e530	2680	770	550	304	87	169
6	209	141	e300	e560	660	e500	3450	703	489	324	80	150
7	616	141	e290	e540	662	529	5280	642	453	284	74	136
8	383	140	e280	e540	620	532	7620	589	419	257	69	119
9	318	145	e260	e540	626	509	8220	558	388	239	64	107
10	268	182	e260	e560	930	485	10900	539	359	230	67	104
11	242	229	e280	e580	e1000	467	7890	507	340	263	77	105
12	216	299	e320	e580	e700	448	5530	490	330	236	91	101
13	199	252	e380	e600	e820	661	4150	486	331	207	97	96
14	186	223	407	619	1260	1290	3190	454	349	184	82	184
15	177	207	374	641	1510	1370	2630	433	296	172	67	392
16	170	203	420	649	1820	1220	2800	415	276	164	64	265
17	175	197	e1200	640	e1600	1370	2880	389	378	162	154	190
18	289	189	3050	613	e1800	1580	2640	383	353	173	326	158
19	496	190	2180	604	e1600	1570	2400	382	277	202	e150	140
20	395	187	1870	590	e1400	1660	2160	355	246	182	e180	137
21	279	181	1420	552	e1100	1980	2210	333	245	152	e250	154
22	241	167	1230	476	e1100	3170	2880	345	282	135	e180	170
23	210	e140	e1100	477	e1000	3070	2900	388	572	121	e130	160
24	194	129	e1000	532	e950	3200	2780	394	1310	113	e140	178
25	188	124	e1000	580	e900	2730	2430	352	840	114	e140	3300
26	186	204	e940	531	e850	2240	2090	554	656	151	e110	2480
27	184	373	e900	566	793	1850	1840	802	513	161	e160	1380
28	174	513	e860	537	e650	1630	1630	840	431	163	212	977
29	168	485	e820	535	---	1480	1430	866	377	132	300	772
30	164	489	e770	583	---	2510	1250	743	337	114	302	633
31	157	---	e740	630	---	3710	---	629	---	109	214	---
TOTAL	7160	6497	24586	18055	28030	44661	106420	18255	13841	6693	4263	13783
MEAN	231	217	793	582	1001	1441	3547	589	461	216	138	459
MAX	616	513	3050	700	1820	3710	10900	1110	1310	510	326	3300
MIN	99	124	260	476	620	448	1250	333	245	109	64	96
CFSM	.24	.23	.84	.62	1.06	1.53	3.76	.62	.49	.23	.15	.49
IN.	.28	.26	.97	.71	1.10	1.76	4.19	.72	.55	.26	.17	.54

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	672	1265	1474	1292	1672	2876	3256	1823	1108	514	400	417
MAX	4597	4337	3860	4114	5148	6840	9683	3919	6070	2423	4096	4053
(WY)	1991	1978	1974	1996	1981	1964	1993	1960	1972	1972	1994	1975
MIN	46.7	66.3	107	93.7	410	850	1171	446	153	73.4	51.7	30.4
(WY)	1964	1965	1961	1961	1987	1969	1988	1985	1991	1964	1966	1964

e Estimated.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	418088		292244			
ANNUAL MEAN	1142		801		1394	
HIGHEST ANNUAL MEAN					2379	1978
LOWEST ANNUAL MEAN					739	1965
HIGHEST DAILY MEAN	10400	Feb 28	10900	Apr 10	75000	Jun 23 1972
LOWEST DAILY MEAN	73	Sep 9	64	Aug 9,16	23	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	79	Sep 6	74	Aug 5	26	Sep 21 1964
MAXIMUM PEAK FLOW			12000	Apr 10	<b>a</b> 104000	Jun 23 1972
MAXIMUM PEAK STAGE			7.16	Apr 10	<b>b</b> 22.76	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.21		.85		1.48	
ANNUAL RUNOFF (INCHES)	16.48		11.52		20.07	
10 PERCENT EXCEEDS	3010		2120		3350	
50 PERCENT EXCEEDS	498		431		660	
90 PERCENT EXCEEDS	135		137		110	

**a** From rating curve extended above 22,000 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.  
**b** From floodmark.

