

WEST BRANCH SUSQUEHANNA RIVER BASIN

01548500 PINE CREEK AT CEDAR RUN, PA

LOCATION.--Lat 41°31'18", long 77°26'52", Lycoming County, Hydrologic Unit 02050205, on left bank at upstream side of highway bridge on Township Route 762 at village of Cedar Run, 2,000 ft downstream from Cedar Run, and 1.2 mi upstream from Gamble Run.

DRAINAGE AREA.--604 mi².

PERIOD OF RECORD.--July 1918 to current year. Prior to October 1918 monthly discharge only, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 780.36 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 13, 1930, nonrecording gage at same site and 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 5,900 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 21	2300	*11,200	*7.33	Sept. 28	0915	6,480	5.81
Aug. 1	1430	7,360	6.13				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	196	449	855	e240	e740	1720	385	3690	453	3290	225
2	107	189	392	1750	e220	e740	2280	398	3470	393	3680	1650
3	94	181	e340	1340	e210	e670	2420	406	2710	343	3320	1280
4	89	173	e260	1190	e280	e740	2330	355	2450	320	3780	1920
5	90	167	e280	1050	e380	e750	3840	340	2090	283	3070	2070
6	87	188	e300	953	e340	e640	3700	350	1730	254	2680	1470
7	82	214	e270	855	e300	e580	3110	342	1660	256	1980	1140
8	72	204	e300	821	e280	e540	2580	375	1730	254	1850	914
9	62	197	e260	881	e260	e540	2140	365	1570	237	2570	755
10	59	196	e220	971	e240	e600	1930	339	1380	291	4660	632
11	62	215	e250	810	e230	e460	1930	351	1240	355	3620	528
12	70	233	e280	709	e230	e540	1850	449	1300	306	2740	458
13	78	270	e320	e620	e220	e600	1680	437	1630	224	1980	431
14	78	268	e440	e580	e210	e650	1510	420	1520	192	1510	487
15	71	254	e800	e520	e200	e760	1360	413	1400	170	1190	430
16	97	260	e700	e470	e180	e1100	1220	501	1210	163	971	750
17	279	874	e500	e440	e200	e3000	1080	818	1010	169	865	513
18	228	1340	e440	e420	e230	6590	952	801	941	166	685	414
19	174	965	e420	e370	e260	6690	863	836	840	211	567	525
20	172	801	e900	e360	e240	6560	778	810	737	175	479	1000
21	168	710	e2000	e320	e220	10100	715	849	3460	187	415	753
22	142	700	1720	e320	e360	9780	754	744	3630	2100	371	710
23	128	806	1450	e310	e900	6910	683	651	2820	1320	332	2220
24	117	737	1190	e300	e1400	5130	597	785	2050	2560	294	2140
25	112	714	1060	e280	e1100	4340	542	1000	1550	2310	267	1900
26	227	655	922	e260	e950	4310	503	1160	1210	1640	249	1670
27	377	602	764	e230	e850	3750	503	1520	962	1320	267	1360
28	270	537	650	e230	e800	2930	454	1580	767	1970	269	5070
29	230	490	621	e280	---	2510	424	1560	623	1380	228	4310
30	215	474	538	e250	---	2270	400	1340	528	1130	245	3050
31	205	---	512	e240	---	1940	---	1310	---	905	227	---
TOTAL	4371	13810	19548	18985	11530	87460	44848	21990	51908	22037	48651	40775
MEAN	141	460	631	612	412	2821	1495	709	1730	711	1569	1359
MAX	377	1340	2000	1750	1400	10100	3840	1580	3690	2560	4660	5070
MIN	59	167	220	230	180	460	400	339	528	163	227	225
CFSM	0.23	0.76	1.04	1.01	0.68	4.67	2.48	1.17	2.86	1.18	2.60	2.25
IN.	0.27	0.85	1.20	1.17	0.71	5.39	2.76	1.35	3.20	1.36	3.00	2.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2003, BY WATER YEAR (WY)

MEAN	356	742	835	824	904	1851	1969	1239	633	284	234	217
MAX	2910	3077	2260	2741	3090	6362	5678	3580	3601	1160	2712	2458
(WY)	1991	1951	1928	1937	1981	1936	1993	1919	1972	1928	1994	1975
MIN	28.9	41.3	65.4	47.6	119	590	374	238	90.4	50.2	32.6	19.3
(WY)	1965	1931	1961	1931	1920	1981	1946	1941	1991	1966	1939	1964

e Estimated.

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01548500 PINE CREEK AT CEDAR RUN, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1919 - 2003	
ANNUAL TOTAL	263078		385913		840	
ANNUAL MEAN	721		1057		1400	
HIGHEST ANNUAL MEAN					444	1978
LOWEST ANNUAL MEAN					444	1941
HIGHEST DAILY MEAN	7610	May 14	10100	Mar 21	42600	Jun 23 1972
LOWEST DAILY MEAN	23	Sep 13,14	59	Oct 10	8.0	Sep 2 1939
ANNUAL SEVEN-DAY MINIMUM	26	Sep 8	69	Oct 9	11	Aug 28 1939
MAXIMUM PEAK FLOW			11200	Mar 21	a 66000	Jun 23 1972
MAXIMUM PEAK STAGE			7.33	Mar 21	b 16.00	Jun 23 1972
INSTANTANEOUS LOW FLOW					8.0	Sep 1,2 1939
ANNUAL RUNOFF (CFSM)	1.19		1.75		1.39	
ANNUAL RUNOFF (INCHES)	16.20		23.77		18.89	
10 PERCENT EXCEEDS	1870		2530		2040	
50 PERCENT EXCEEDS	449		600		397	
90 PERCENT EXCEEDS	65		194		65	

a From rating curve extended above 16,000 ft³/s on basis of slope-area measurement of peak flow.
b From floodmark.

