

## 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 mi<sup>2</sup>.

**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 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)
May 14	0145	*8,430	*6.49	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	230	2440	e380	1920	496	1950	2180	556	279	120	39
2	257	225	2000	e360	2140	468	1670	2290	470	256	104	39
3	231	228	1620	e340	1990	651	1450	2050	410	234	96	38
4	208	228	1300	e360	1770	725	1220	1760	379	215	87	38
5	190	211	1060	e380	1410	e580	1030	1580	653	196	86	35
6	180	202	889	372	1200	e700	923	1370	3620	176	185	33
7	178	195	759	353	1020	691	822	1230	4260	165	114	31
8	166	190	653	318	899	652	740	1060	3060	156	92	30
9	151	186	617	317	775	620	700	1120	2140	150	85	29
10	145	182	557	318	722	687	742	1360	1580	180	76	28
11	155	179	488	327	1780	607	612	1160	1230	164	71	27
12	132	174	448	310	1430	563	551	1860	980	133	66	24
13	118	166	473	296	1360	552	562	5510	812	123	63	23
14	131	160	602	282	e1100	543	884	7610	1050	116	68	23
15	241	160	1210	275	1110	516	2590	5270	2230	109	65	50
16	254	157	1080	268	1040	539	2290	3530	2680	102	64	177
17	284	151	1240	260	954	517	1980	2610	2360	94	65	140
18	289	145	2740	254	806	487	1670	3320	1890	89	65	83
19	254	142	2730	e220	696	517	1420	3150	1510	89	60	66
20	239	150	2360	e240	660	534	1230	2740	1190	104	53	58
21	230	167	1880	303	746	737	1080	2320	946	96	48	52
22	221	153	1490	323	718	721	952	1900	769	85	48	52
23	219	144	1250	280	615	725	845	1570	694	88	51	103
24	254	136	1140	313	558	765	718	1320	565	109	59	94
25	335	233	961	612	544	762	678	1110	500	115	71	65
26	292	1160	784	615	551	1450	668	1040	437	92	61	56
27	282	838	e690	644	628	3870	563	892	441	98	52	203
28	276	756	653	701	552	3160	1110	754	452	216	47	753
29	261	805	e550	768	---	2730	3020	675	366	540	45	280
30	247	1040	e510	1060	---	2390	2600	637	311	219	44	164
31	238	---	e430	1350	---	2100	---	589	---	149	42	---
TOTAL	6948	9093	35604	13199	29694	31055	37270	65567	38541	4937	2253	2833
MEAN	224.1	303.1	1149	425.8	1060	1002	1242	2115	1285	159.3	72.68	94.43
MAX	335	1160	2740	1350	2140	3870	3020	7610	4260	540	185	753
MIN	118	136	430	220	544	468	551	589	311	85	42	23
CFSM	0.37	0.50	1.90	0.70	1.76	1.66	2.06	3.50	2.13	0.26	0.12	0.16
IN.	0.43	0.56	2.19	0.81	1.83	1.91	2.30	4.04	2.37	0.30	0.14	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2002, BY WATER YEAR (WY)

MEAN	358.8	745.2	837.1	826.1	909.6	1839	1975	1245	620.3	279.0	218.2	203.8
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1919 - 2002	
ANNUAL TOTAL	207207		276994		837	
ANNUAL MEAN	568		759		1400	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	8120	Apr 10	7610	May 14	42600	Jun 23 1972
LOWEST DAILY MEAN	40	Aug 9,15	23	Sep 13,14	8.0	Sep 2 1939
ANNUAL SEVEN-DAY MINIMUM	47	Aug 4	26	Sep 8	11	Aug 28 1939
MAXIMUM PEAK FLOW			8430	May 14	<b>a</b> 66000	Jun 23 1972
MAXIMUM PEAK STAGE			6.49	May 14	<b>b</b> 16.00	Jun 23 1972
INSTANTANEOUS LOW FLOW					8.0	Sep 1,2 1939
ANNUAL RUNOFF (CFSM)	0.94		1.26		1.39	
ANNUAL RUNOFF (INCHES)	12.76		17.06		18.83	
10 PERCENT EXCEEDS	1470		1960		2030	
50 PERCENT EXCEEDS	242		487		394	
90 PERCENT EXCEEDS	92		65		65	

**a** From rating curve extended above 16,000 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.  
**b** From floodmark.

