

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 sea level. 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)
Jan. 23	2330	Ice Jam	*6.74	Jan. 25	1700	*7,500	6.18

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	54	70	e74	992	641	3230	720	136	119	39	30
2	37	51	65	e70	1180	548	4010	646	143	95	37	28
3	39	50	62	e80	1360	629	3930	585	164	224	39	26
4	53	48	58	e90	1390	e4900	3880	537	170	126	34	24
5	54	46	56	e110	1390	3900	3230	502	135	98	35	24
6	56	46	56	e100	1250	3070	2460	463	121	83	33	26
7	52	48	59	e90	1170	2410	2020	423	116	80	32	162
8	106	50	60	e84	1070	e1900	1670	433	114	79	39	211
9	413	50	58	e100	937	e1600	1850	552	97	69	37	102
10	301	53	56	e110	946	e1400	2480	455	82	88	32	70
11	213	71	54	e120	925	e1200	2170	388	80	115	32	55
12	139	86	51	e130	1110	e1000	2210	351	80	81	31	47
13	107	89	45	e140	1490	e900	1850	330	75	67	31	42
14	97	74	e39	e160	1320	e800	1600	317	71	62	37	44
15	89	64	e30	e170	1200	e700	1420	298	77	58	68	49
16	81	62	e32	e180	1140	e700	1310	276	75	54	76	82
17	74	60	e35	e170	1180	e800	1280	259	76	51	48	510
18	69	58	e40	e200	1220	e1700	1140	254	85	50	39	258
19	68	58	e50	e300	1120	e1800	1010	242	81	56	34	139
20	64	59	59	e400	e1000	e1700	957	228	69	62	40	101
21	67	62	61	e500	e820	e1800	884	216	62	52	59	93
22	68	65	359	e600	e740	e1900	827	199	58	54	66	90
23	66	64	e300	e900	e660	e1700	849	219	54	56	58	85
24	64	60	e230	e3000	e640	e1600	1340	235	52	55	46	73
25	61	69	e200	5530	e580	e1700	1110	298	50	51	41	64
26	60	74	e150	3190	e520	e1600	1110	254	49	56	44	58
27	57	80	e120	2180	e450	e1600	1080	220	47	66	48	53
28	58	85	e110	1750	529	e1700	1000	191	82	58	51	52
29	57	80	e100	1610	---	e1900	899	173	145	46	46	67
30	56	73	e90	1320	---	e2400	808	159	186	40	40	523
31	54	---	e80	1080	---	2670	---	146	---	36	35	---
TOTAL	2821	1889	2835	24538	28329	52868	53614	10569	2832	2287	1327	3188
MEAN	91.0	63.0	91.5	792	1012	1705	1787	341	94.4	73.8	42.8	106
MAX	413	89	359	5530	1490	4900	4010	720	186	224	76	523
MIN	37	46	30	70	450	548	808	146	47	36	31	24
CFSM	.15	.10	.15	1.31	1.68	2.82	2.96	.56	.16	.12	.07	.18
IN.	.17	.12	.17	1.51	1.74	3.26	3.30	.65	.17	.14	.08	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1999, BY WATER YEAR (WY)

MEAN	366	760	838	842	910	1867	1975	1247	612	283	223	206
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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1919 - 1999	
ANNUAL TOTAL	305857		187097		843	
ANNUAL MEAN	838		513		1400	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	11600	Jan 8	5530	Jan 25	42600	Jun 23 1972
LOWEST DAILY MEAN	e30	Dec 15	24	Sep 4,5	8.0	Sep 2 1939
ANNUAL SEVEN-DAY MINIMUM	a39	Dec 13	28	Aug 31	11	Aug 28 1939
INSTANTANEOUS PEAK FLOW			b7500	Jan 25	c66000	Jun 23 1972
INSTANTANEOUS PEAK STAGE			d6.74	Jan 23	f16.00	Jun 23 1972
INSTANTANEOUS LOW FLOW					8.0	Sep 1,2 1939
ANNUAL RUNOFF (CFSM)	1.39		.85		1.40	
ANNUAL RUNOFF (INCHES)	18.84		11.52		18.97	
10 PERCENT EXCEEDS	2180		1600		2040	
50 PERCENT EXCEEDS	247		97		400	
90 PERCENT EXCEEDS	52		42		64	

- a Computed using estimated daily discharges.
- b Corresponding gage height, 6.18 ft.
- c From rating curve extended above 16,000 ft³/s on basis of slope-area measurement of peak flow.
- d Ice jam.
- e Estimated.
- f From floodmark.

