

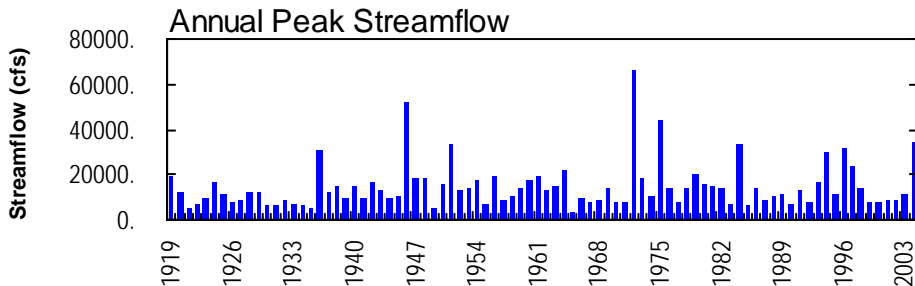
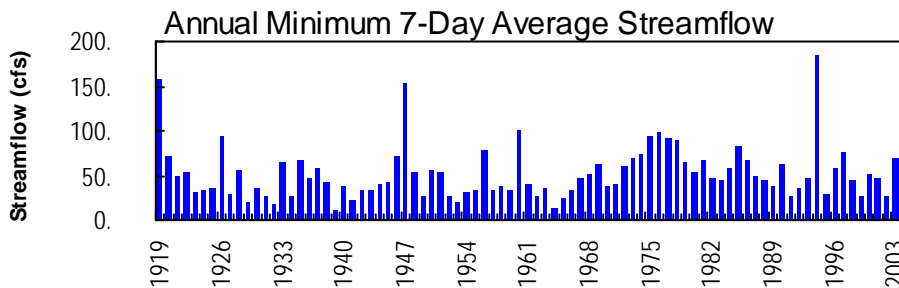
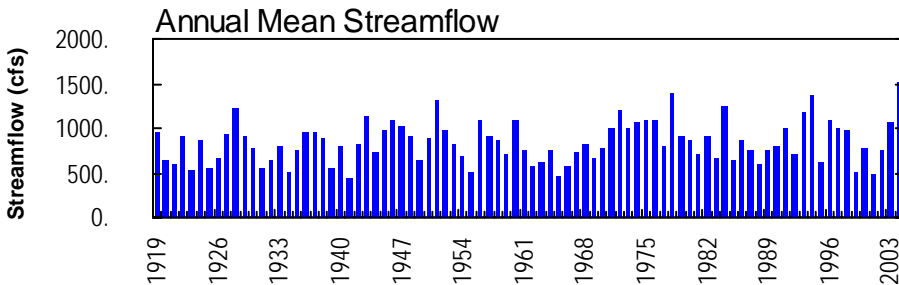
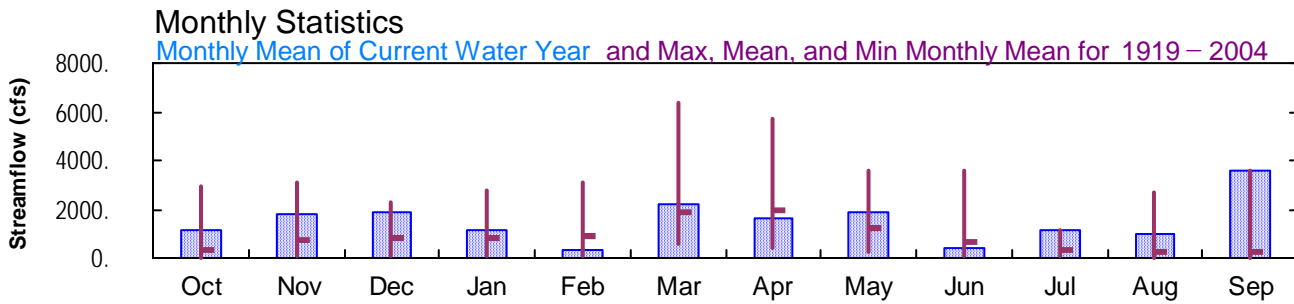
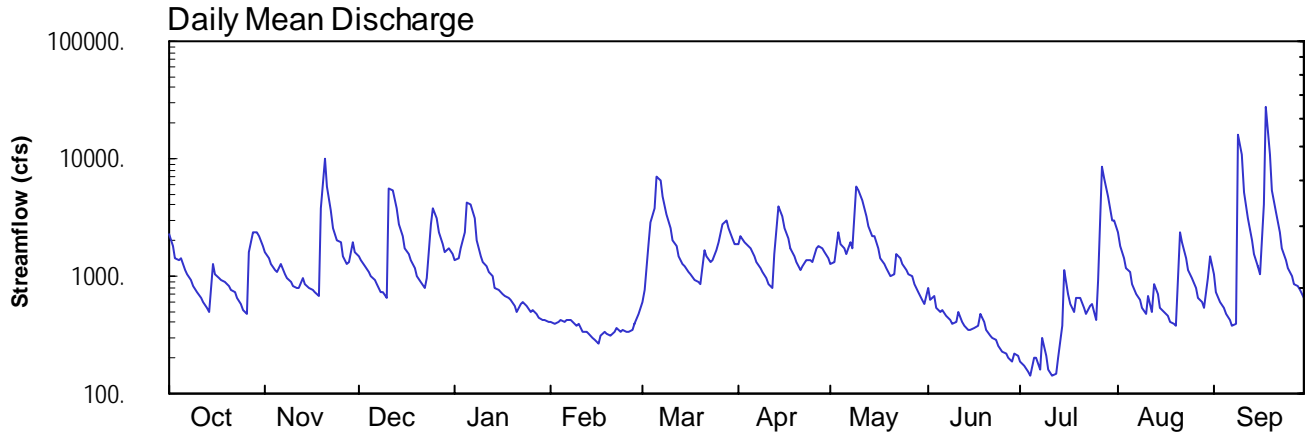


2004 Water Year
 WEST BRANCH SUSQUEHANNA RIVER BASIN
 01548500 Pine Creek at Cedar Run, PA

Latitude: 41° 31' 18"
 Lycoming County

Longitude: 077° 26' 52"
 Datum: 780.36 feet

Hydrologic Unit Code: 02050205
 Drainage Area: 604. mi²



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)
Nov. 19	2345	12,400	7.64	July 27	1630	9,940	6.96
Dec. 11	1245	8,740	6.59	Sept. 9	1515	24,800	10.33
Mar. 6	1845	8,150	6.40	Sept. 18	0645	*34,200	*11.94
May 9	1045	8,000	6.35				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2230	1580	1500	1380	e400	e600	1870	1250	784	188	2400	1040
2	1760	1400	1390	1430	e390	e760	2220	1320	618	173	1810	739
3	1440	1250	1200	1710	e410	e1900	1970	2390	678	155	1410	607
4	1390	1110	1060	2390	e430	e2900	1900	1850	536	143	1170	529
5	1440	1080	985	4160	e400	e3800	1700	1730	492	202	1070	469
6	1140	1250	937	4060	e420	7060	1480	1560	510	199	846	421
7	1030	1030	843	3060	e430	6450	1330	1930	461	161	713	382
8	940	951	737	e2000	e400	4760	1190	1710	419	293	616	398
9	836	879	732	e1500	e380	3370	1080	5710	390	208	530	15900
10	740	828	652	e1300	e390	2540	952	5330	413	160	468	10900
11	659	803	5480	e1200	e330	2040	852	4420	490	141	679	5100
12	591	793	5370	e1100	e330	1790	786	3280	415	149	503	3090
13	541	950	3750	e1000	e320	1480	1550	2640	371	198	849	2060
14	504	852	2730	e800	e300	1240	3860	2180	354	375	696	1510
15	1250	790	2190	e750	e290	1210	3260	2150	351	1120	530	1230
16	1050	757	1730	e700	e270	1100	2570	1720	357	712	486	1060
17	947	722	1540	e670	e310	1030	2090	1450	380	586	455	4110
18	926	683	1380	e650	e330	943	1750	1280	468	499	414	27500
19	901	3730	1160	e620	e320	882	1490	1170	411	661	389	10800
20	824	9970	1010	e560	e310	853	1290	993	354	661	376	5260
21	766	5800	875	e490	e330	1690	1140	1020	315	544	2330	3430
22	723	3670	802	e580	e360	1480	1200	1530	302	482	1950	2410
23	657	2580	972	e610	e340	1320	1370	1430	292	551	1430	1760
24	582	2040	2720	e550	e350	1350	1370	1280	256	587	1130	1380
25	518	1920	3830	e500	e330	1670	1300	1120	229	418	949	1160
26	482	1500	3060	e510	e330	1940	1740	1030	216	911	783	1000
27	1610	1290	2340	e470	e350	2740	1790	1020	200	8510	661	854
28	2350	1310	1860	e440	e390	3010	1750	866	188	6650	593	818
29	2340	1930	1580	e430	e470	2560	1590	724	216	4680	525	766
30	2170	1570	1750	e430	---	2110	1400	616	210	2990	955	647
31	1800	---	1560	e410	---	1860	---	590	---	2980	1450	---
TOTAL	35137	55018	57725	36460	10410	68438	49840	57289	11676	36287	29166	107330
MEAN	1133	1834	1862	1176	359	2208	1661	1848	389	1171	941	3578
MAX	2350	9970	5480	4160	470	7060	3860	5710	784	8510	2400	27500
MIN	482	683	652	410	270	600	786	590	188	141	376	382
CFSM	1.88	3.04	3.08	1.95	0.59	3.66	2.75	3.06	0.64	1.94	1.56	5.92
IN.	2.16	3.39	3.56	2.25	0.64	4.22	3.07	3.53	0.72	2.23	1.80	6.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2004, BY WATER YEAR (WY)

MEAN	365	755	847	828	897	1855	1966	1246	630	294	242	256
MAX	2910	3077	2260	2741	3090	6362	5678	3580	3601	1171	2712	3578
(WY)	1991	1951	1928	1937	1981	1936	1993	1919	1972	2004	1994	2004
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.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01548500 PINE CREEK AT CEDAR RUN, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1919 - 2004	
ANNUAL TOTAL	496064		554776			
ANNUAL MEAN	1359		1516		848	
HIGHEST ANNUAL MEAN					1516	2004
LOWEST ANNUAL MEAN					444	1941
HIGHEST DAILY MEAN	10100	Mar 21	27500	Sep 18	42600	Jun 23 1972
LOWEST DAILY MEAN	163	Jul 16	141	Jul 11	8.0	Sep 2 1939
ANNUAL SEVEN-DAY MINIMUM	177	Jul 15	174	Jul 1	11	Aug 28 1939
MAXIMUM PEAK FLOW			a34200	Sep 18	a66000	Jun 23 1972
MAXIMUM PEAK STAGE			11.94	Sep 18	b16.00	Jun 23 1972
INSTANTANEOUS LOW FLOW					8.0	Sep 1,2 1939
ANNUAL RUNOFF (CFSM)	2.25		2.51		1.40	
ANNUAL RUNOFF (INCHES)	30.55		34.17		19.07	
10 PERCENT EXCEEDS	3020		3000		2040	
50 PERCENT EXCEEDS	881		989		400	
90 PERCENT EXCEEDS	258		337		65	

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

b From floodmark.