



2005 Water Year
WEST BRANCH SUSQUEHANNA RIVER BASIN
01545500 West Branch Susquehanna River at Renovo, PA

Latitude: 41° 19' 28"

Longitude: 077° 45' 03"

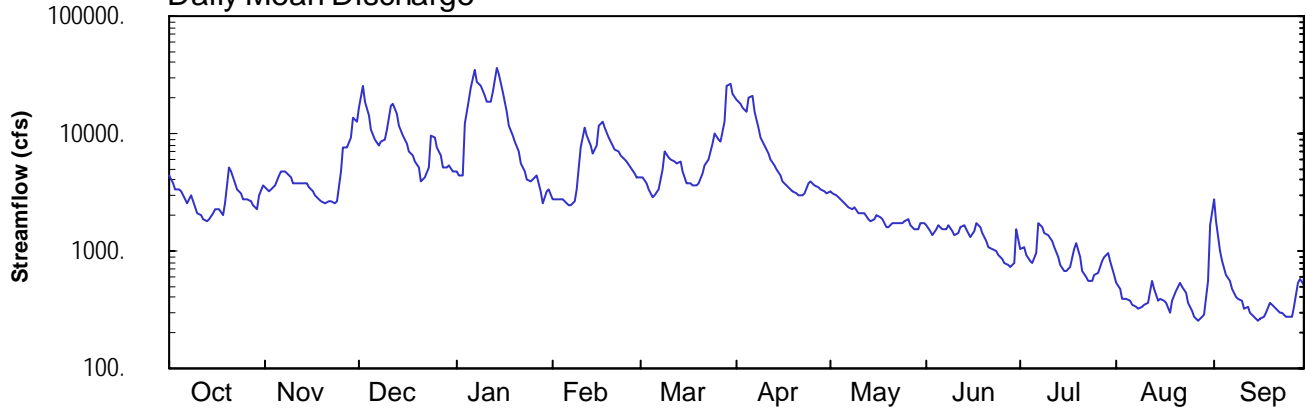
Hydrologic Unit Code: 02050203

Clinton County

Datum: 634.19 feet

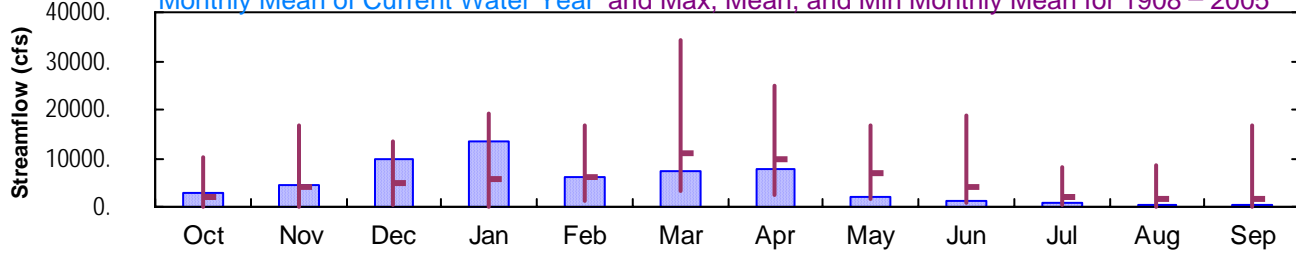
Drainage Area: 2975. mi²

Daily Mean Discharge

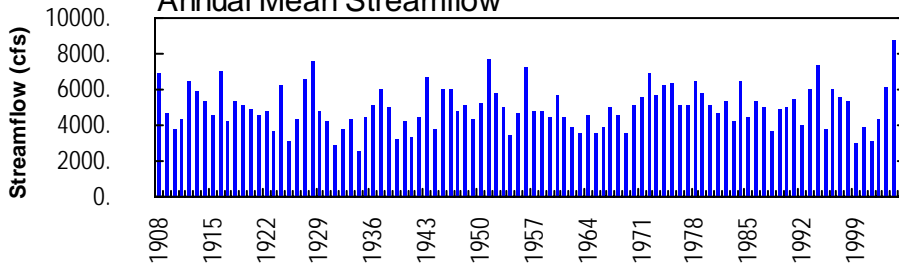


Monthly Statistics

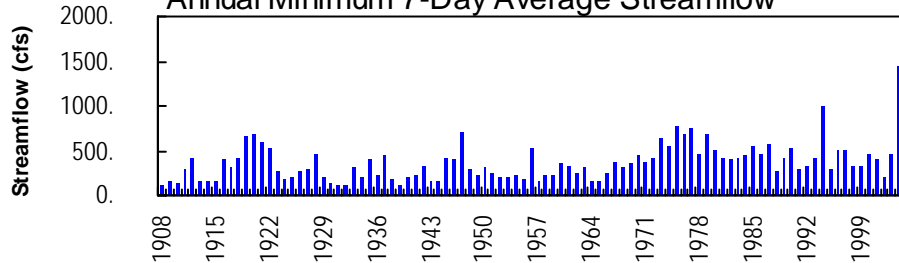
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1908 – 2005



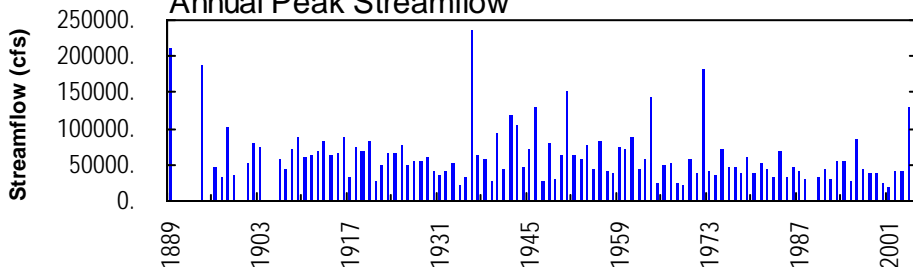
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WEST BRANCH SUSQUEHANNA RIVER BASIN

01545500 WEST BRANCH SUSQUEHANNA RIVER AT RENOVO, PA

LOCATION.--Lat 41°19'28", long 77°45'03", Clinton County, Hydrologic Unit 02050203, on right bank at abandoned Eighth Street bridge abutment at South Renovo, and 1.0 mi upstream from Paddy Run.

DRAINAGE AREA.--2,975 mi².

PERIOD OF RECORD.--October 1907 to current year. Gage height records collected July 1895 to December 1903 and October 1905 to September 1974 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 756: Drainage area. WSP 1302: 1908-10, 1912-13, 1914-15(M). WSP 2103: 1968 (monthly mean). WDR PA-88-2: 1987.

GAGE.--Water-stage recorder. Datum of gage is 634.19 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 17, 1930, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow slightly regulated by 4 flood-control reservoirs which have a combined capacity of 316,000 acre-ft. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known prior to 1895, 27.3 ft, June 1, 1889, from floodmark, discharge, about 211,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4380	3530	16400	4680	e2800	4300	19100	3220	1660	1040	541	2730
2	3750	3250	25400	4390	e2800	4180	18300	3100	1500	1060	473	1810
3	3400	3400	19000	4380	2720	3810	16400	3020	1390	920	390	1020
4	3290	3640	14200	12100	2710	e3300	15200	2900	1510	832	385	816
5	3210	4380	10800	19200	2630	e2900	20100	2660	1660	795	370	631
6	2710	4750	8900	24400	2490	2980	21100	2490	1540	962	352	547
7	2530	4740	7970	34600	2430	3310	15400	2330	1540	1710	338	476
8	2970	4620	8600	27800	2630	4940	11200	2300	1690	1620	328	407
9	2690	4210	8800	25500	3350	7180	9280	2310	1510	1430	333	386
10	2110	3830	10600	21200	7720	6360	7820	2070	1360	1370	351	382
11	2030	3810	17000	18300	11400	6100	6790	2080	1420	1240	362	328
12	1890	3700	17800	18400	9610	5800	6100	2060	1610	1060	554	340
13	1810	3740	14700	22500	7960	5470	5360	1890	1690	886	480	303
14	1840	3700	11900	35700	6770	5830	4900	1790	1540	764	382	274
15	2100	3440	9730	32600	7900	4720	4490	1880	1340	674	386	259
16	2270	3270	8070	22800	11700	3820	3970	2010	1500	672	382	260
17	2260	3030	7060	15500	12600	3730	3680	1960	1710	733	367	279
18	2030	2780	6450	11700	11100	3610	3400	1870	1570	1030	296	293
19	2520	2650	5880	9500	9300	3560	3270	1610	1430	1160	375	363
20	5210	2590	5140	8520	7910	3830	3160	1600	1230	901	454	353
21	4700	2650	e3900	7140	7450	4630	2990	1720	1100	685	545	327
22	3730	2610	e4200	e5600	6950	5320	3000	1700	1050	608	503	295
23	3290	2530	5130	e4800	6620	6080	3080	1720	982	564	443	300
24	3040	2630	9450	e4000	6070	8160	3790	1700	932	561	367	278
25	2810	4780	9120	e3900	5680	9990	3940	1770	862	622	313	274
26	2710	7510	e7700	e4300	5170	8990	3630	1840	800	655	274	275
27	2640	7540	e6400	e4400	4500	8430	3480	1670	758	828	259	335
28	2430	9130	e5200	e3200	4230	12800	3410	1520	729	905	274	534
29	2240	13900	5210	e2600	---	25700	3270	1530	784	970	286	589
30	2960	12700	5300	e3200	---	27000	3130	1700	1520	818	550	517
31	3630	---	4850	e3300	---	22200	---	1760	---	630	1660	---
TOTAL	89180	139040	300860	420210	175200	229030	232740	63780	39917	28705	13373	15981
MEAN	2877	4635	9705	13560	6257	7388	7758	2057	1331	926	431	533
MAX	5210	13900	25400	35700	12600	27000	21100	3220	1710	1710	1660	2730
MIN	1810	2530	3900	2600	2430	2900	2990	1520	729	561	259	259
CFSM	0.97	1.56	3.26	4.56	2.10	2.48	2.61	0.69	0.45	0.31	0.15	0.18
IN.	1.12	1.74	3.76	5.25	2.19	2.86	2.91	0.80	0.50	0.36	0.17	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2005, BY WATER YEAR (WY)

MEAN	2197	3916	5068	5774	6166	10840	9842	7003	3933	2130	1483	1667
MAX	10330	16700	13570	19060	16640	34360	25010	16670	18840	8100	8734	16900
(WY)	1912	1951	1928	1937	1915	1936	1940	1919	1972	1928	2003	2004
MIN	139	174	307	196	1078	3141	2456	1436	659	368	166	166
(WY)	1931	1931	1931	1931	1934	1969	1925	1941	1999	1965	1930	1908

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01545500 WEST BRANCH SUSQUEHANNA RIVER AT RENOVO, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1908 - 2005	
ANNUAL TOTAL	2935560		1748016			
ANNUAL MEAN	8021		4789		4995	
HIGHEST ANNUAL MEAN					8741	2004
LOWEST ANNUAL MEAN					2579	1934
HIGHEST DAILY MEAN	99100	Sep 18	35700	Jan 14	201000	Mar 18 1936
LOWEST DAILY MEAN	1190	Jul 4	259	Aug 27, Sep 15	80	Dec 6 1908
ANNUAL SEVEN-DAY MINIMUM	1450	Jun 29	287	Sep 12	104	Aug 29 1939
MAXIMUM PEAK FLOW			40900	Jan 14	^a 236000	Mar 18 1936
MAXIMUM PEAK STAGE			11.40	Jan 14	^b 29.39	Mar 18 1936
INSTANTANEOUS LOW FLOW					80	Dec 6 1908
ANNUAL RUNOFF (CFSM)	2.70		1.61		1.68	
ANNUAL RUNOFF (INCHES)	36.71		21.86		22.81	
10 PERCENT EXCEEDS	17300		11800		11800	
50 PERCENT EXCEEDS	5040		2810		2790	
90 PERCENT EXCEEDS	2100		384		480	

a From rating curve extended above 87,000 ft³/s on basis of slope-area measurement of peak flow.

b From floodmark in gage.

