



2005 Water Year
WEST BRANCH SUSQUEHANNA RIVER BASIN
01553700 Chillisqua Creek at Washingtonville, PA

Latitude: 41° 03 ' 42"

Longitude: 076° 40 ' 50"

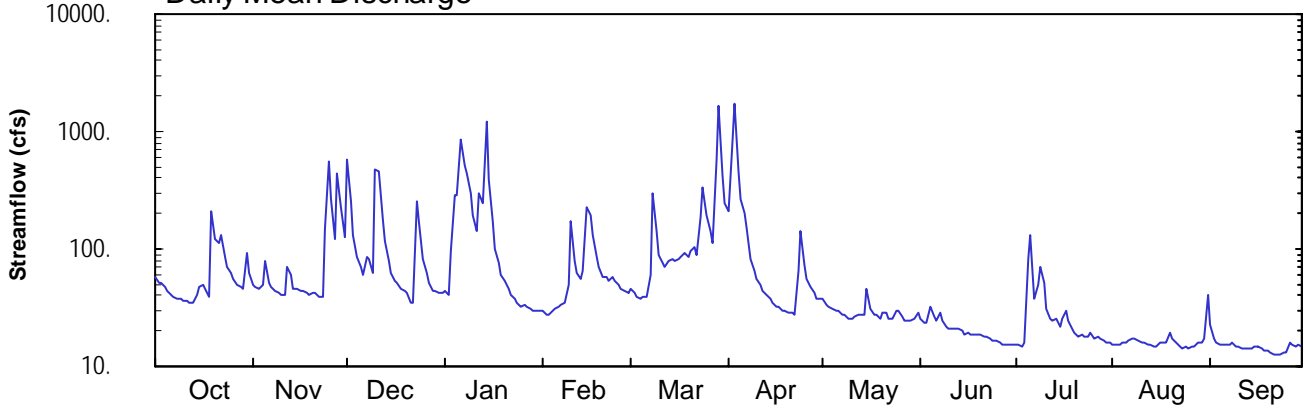
Hydrologic Unit Code: 02050206

Montour County

Datum: 503.70 feet

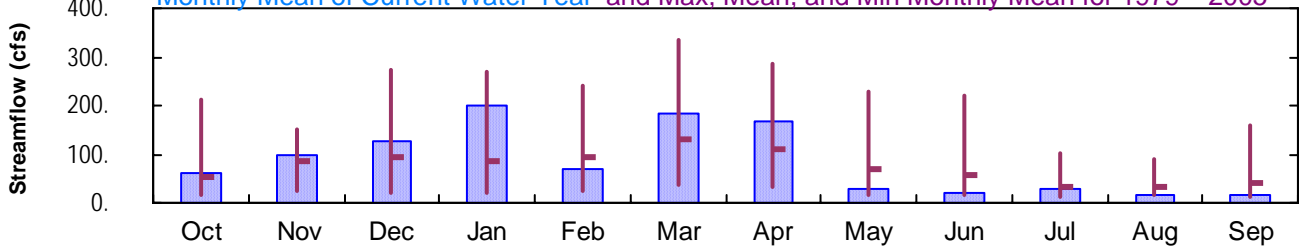
Drainage Area: 51.3 mi²

Daily Mean Discharge

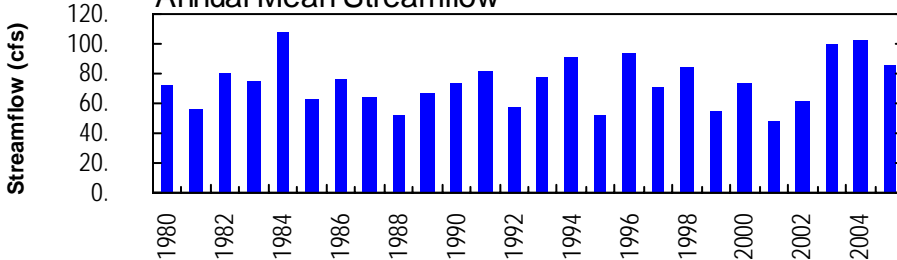


Monthly Statistics

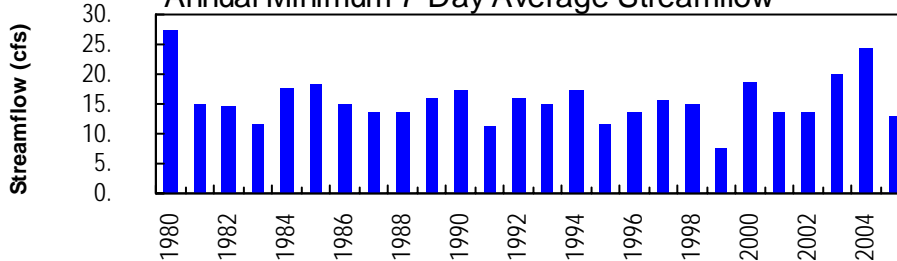
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1979 – 2005



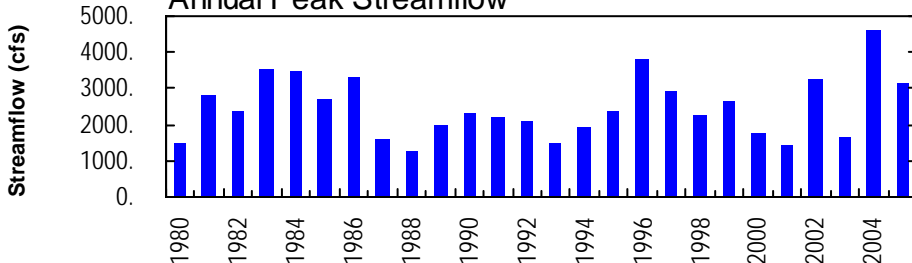
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WEST BRANCH SUSQUEHANNA RIVER BASIN

01553700 CHILLISQUAQUE CREEK AT WASHINGTONVILLE, PA

LOCATION.--Lat 41°03'42", long 76°40'50", Montour County, Hydrologic Unit 02050206, on left bank 60 ft upstream from bridge on State Highway 54, and 0.7 mi north of U.S. Post Office in Washingtonville.

DRAINAGE AREA.--51.3 mi².

PERIOD OF RECORD.--May 1979 to current year.

REVISED RECORDS.--WDR PA-82-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 503.70 ft above National Geodetic Vertical Datum of 1929 (Pennsylvania Power and Light Co. benchmark).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow includes diversion from West Branch Susquehanna River. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 6	1700	1,360	6.59	Mar. 29	0745	2,650	9.28
Jan. 14	1200	1,760	8.01	Apr. 3	0800	*3,140	*9.74

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	59	50	586	43	e30	45	208	37	25	15	16	23
2	52	47	255	40	e28	43	870	34	24	15	16	17
3	52	46	132	98	e28	40	1740	32	24	15	15	16
4	47	50	87	292	e30	38	467	31	32	16	e16	16
5	44	79	70	290	e31	39	263	30	27	81	e16	15
6	41	51	59	854	e32	40	198	30	25	134	16	15
7	40	47	86	521	e33	61	153	28	29	37	17	15
8	38	45	83	433	e35	296	83	27	25	49	17	16
9	38	43	64	302	e50	e140	66	26	22	70	17	15
10	37	41	469	194	e170	e88	57	25	21	52	16	15
11	36	41	449	143	79	75	49	27	21	31	16	14
12	35	70	179	301	64	70	44	28	21	26	16	14
13	35	60	116	242	55	78	42	27	21	24	15	14
14	41	47	80	1200	66	82	37	27	20	25	15	14
15	48	45	63	396	231	80	35	46	19	22	15	14
16	50	44	54	e170	196	84	33	31	20	25	16	14
17	47	43	51	e100	134	86	32	28	19	29	16	14
18	40	42	46	e75	87	93	30	27	19	24	16	14
19	213	41	44	e60	70	87	30	26	19	21	19	14
20	124	42	43	e53	58	94	29	29	19	19	17	13
21	114	43	35	e45	57	105	29	29	18	18	16	12
22	131	40	34	e40	54	88	28	26	18	19	15	13
23	84	39	257	e38	58	185	64	26	17	18	14	13
24	71	146	171	e35	54	341	141	30	17	18	15	13
25	63	560	82	e32	49	195	73	30	17	19	14	13
26	55	261	62	e34	46	144	56	26	16	17	15	16
27	50	122	52	e32	43	112	48	25	16	18	15	15
28	47	443	44	e31	43	575	42	24	15	18	16	15
29	46	227	45	e30	---	1640	37	25	15	17	16	16
30	93	127	43	e30	---	417	37	26	16	16	17	15
31	64	---	43	e30	---	245	---	29	---	16	41	---
TOTAL	1935	2982	3884	6184	1911	5706	5021	892	617	924	517	443
MEAN	62.4	99.4	125	199	68.2	184	167	28.8	20.6	29.8	16.7	14.8
MAX	213	560	586	1200	231	1640	1740	46	32	134	41	23
MIN	35	39	34	30	28	38	28	24	15	15	14	12
CFSM	1.22	1.94	2.44	3.89	1.33	3.59	3.26	0.56	0.40	0.58	0.33	0.29
IN.	1.40	2.16	2.82	4.48	1.39	4.14	3.64	0.65	0.45	0.67	0.37	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	51.2	84.1	95.4	85.4	95.6	132	110	69.7	57.7	33.0	32.2	39.9
MAX	211	149	274	269	243	336	286	228	221	102	88.0	159
(WY)	1991	1987	1997	1996	1981	1994	1993	1989	1982	1984	2004	2004
MIN	16.5	23.4	22.2	20.7	25.6	38.3	34.4	17.8	16.0	12.9	15.0	13.0
(WY)	1983	2001	1990	2001	1993	1981	1997	2001	1991	1999	2002	1995

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01553700 CHILLISQUAQUE CREEK AT WASHINGTONVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	34884		31016			
ANNUAL MEAN	95.3		85.0		73.6	
HIGHEST ANNUAL MEAN					108	1984
LOWEST ANNUAL MEAN					48.1	2001
HIGHEST DAILY MEAN	2910	Sep 18	1740	Apr 3	2910	Sep 18 2004
LOWEST DAILY MEAN	24	Jul 22,25,26	12	Sep 21	6.2	Jul 27 1991
ANNUAL SEVEN-DAY MINIMUM	25	Jul 20	13	Sep 19	7.6	Jul 27 1999
MAXIMUM PEAK FLOW			a3140	Apr 3	ab4600	Sep 18 2004
MAXIMUM PEAK STAGE			9.74	Apr 3	11.27	Jan 19 1996
ANNUAL RUNOFF (CFSM)	1.86		1.66		1.44	
ANNUAL RUNOFF (INCHES)	25.30		22.49		19.50	
10 PERCENT EXCEEDS	178		189		148	
50 PERCENT EXCEEDS	48		38		36	
90 PERCENT EXCEEDS	29		15		17	

a From rating curve extended above 2,600 ft³/s.

b Gage height 10.86 ft.

