



2005 Water Year
WEST BRANCH SUSQUEHANNA RIVER BASIN
01546400 Spring Creek at Houserville, PA

Latitude: 40° 50 ' 01"

Longitude: 077° 49 ' 40"

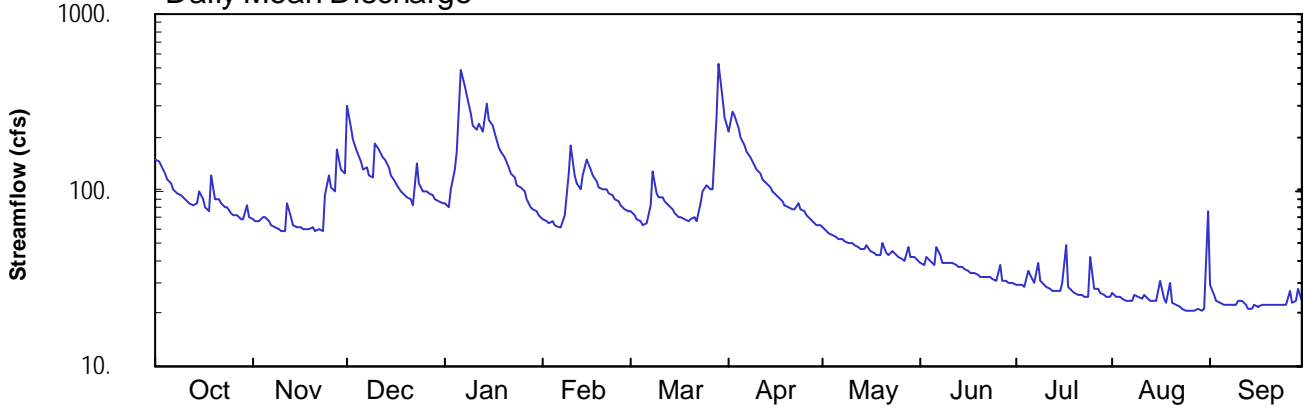
Hydrologic Unit Code: 02050204

Centre County

Datum: 926.63 feet

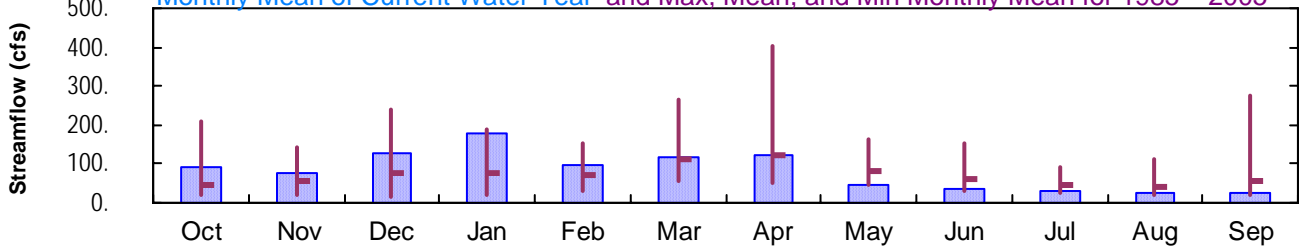
Drainage Area: 58.5 mi²

Daily Mean Discharge

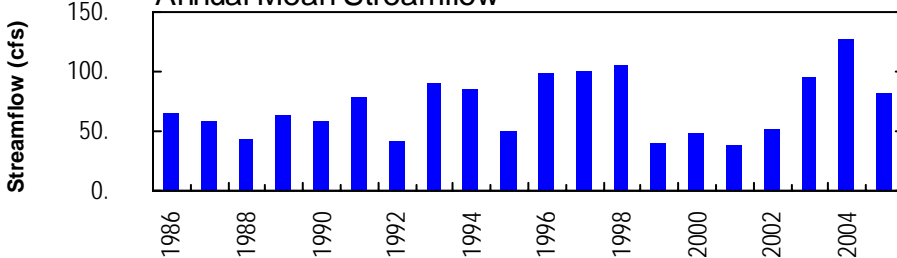


Monthly Statistics

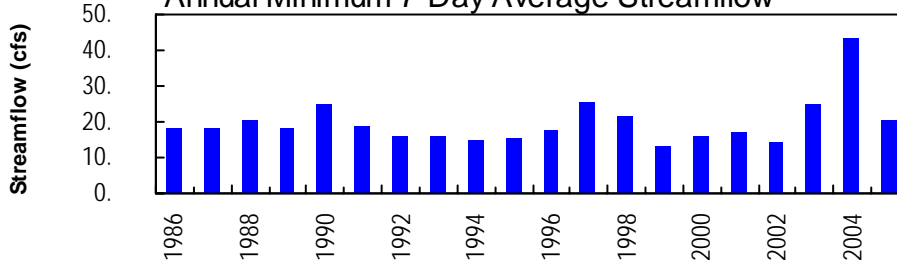
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2005



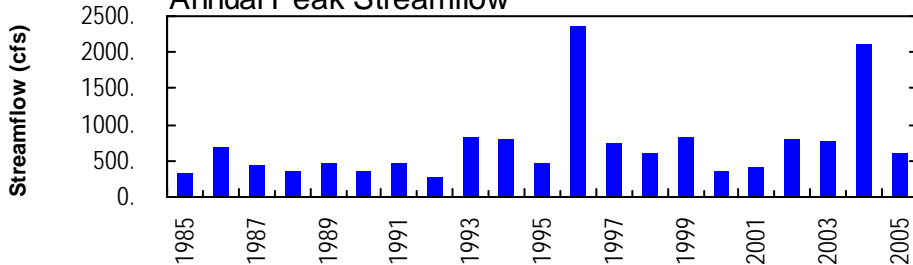
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA

LOCATION.--Lat 40°50'01", long 77°49'40", Centre County, Hydrologic Unit 02050204, on right bank 15 ft upstream from bridge on Township Route 365, 0.7 mi north of Houserville, 1.3 mi downstream from Slab Cabin Run, and 3.3 mi northeast of State College.

DRAINAGE AREA.--58.5 mi².

PERIOD OF RECORD.--November 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 926.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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 400 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 1	1015	402	5.41	Jan. 8	1015	435	5.54
Jan. 6	1300	542	5.97	Mar. 29	0615	*593	*6.47

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	148	69	303	83	69	76	213	62	39	29	26	29
2	146	67	228	80	66	71	277	59	38	29	25	25
3	137	67	195	101	66	69	269	58	42	29	25	23
4	124	71	164	131	66	66	229	56	39	28	24	23
5	116	71	145	167	63	64	198	55	38	35	24	22
6	108	66	132	479	61	65	179	53	47	33	24	22
7	102	64	134	390	62	82	166	53	43	30	23	22
8	97	62	123	347	73	129	155	51	39	39	26	22
9	94	60	118	270	126	96	140	50	38	31	25	22
10	91	58	186	234	182	91	131	50	38	29	24	24
11	87	58	171	219	121	92	123	49	39	28	25	24
12	85	85	155	238	111	87	116	48	38	27	24	22
13	83	70	148	214	101	83	110	46	37	27	23	21
14	84	64	135	309	121	77	104	47	36	27	23	21
15	98	62	121	254	151	73	99	49	35	27	23	23
16	89	62	112	235	133	71	95	45	35	30	31	22
17	81	61	106	210	123	70	91	44	34	49	24	22
18	76	61	98	177	112	68	86	43	34	28	23	22
19	121	60	94	164	104	67	83	43	33	27	30	22
20	89	61	90	154	100	69	80	50	33	26	23	22
21	90	59	88	136	102	70	79	44	32	26	22	22
22	84	60	83	124	97	67	78	43	32	25	22	22
23	80	59	142	118	93	85	84	46	32	25	21	22
24	79	93	e110	107	88	98	79	43	31	25	21	22
25	75	121	e110	103	86	106	75	42	31	42	21	22
26	73	104	e98	99	82	102	71	41	37	28	21	27
27	71	99	e96	89	77	101	68	40	31	27	21	23
28	69	169	e94	80	76	263	66	48	30	26	21	24
29	69	132	e90	77	---	519	64	42	30	25	21	28
30	81	125	86	76	---	338	64	41	30	25	21	23
31	71	---	84	72	---	259	---	40	---	25	e75	---
TOTAL	2898	2320	4029	5537	2712	3574	3672	1481	1071	907	782	690
MEAN	93.5	77.3	130	179	96.9	115	122	47.8	35.7	29.3	25.2	23.0
MAX	148	169	303	479	182	519	277	62	47	49	75	29
MIN	69	58	83	72	61	64	64	40	30	25	21	21
CFSM	1.60	1.32	2.22	3.05	1.66	1.97	2.09	0.82	0.61	0.50	0.43	0.39
IN.	1.84	1.48	2.56	3.52	1.72	2.27	2.34	0.94	0.68	0.58	0.50	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)

MEAN	46.8	57.1	75.6	78.5	71.4	113	121	80.1	63.4	43.8	40.3	54.2
MAX	210	142	240	191	151	263	404	161	152	94.1	112	274
(WY)	1997	1997	1997	1996	1998	1994	1993	1998	2002	1989	2003	2004
MIN	18.2	18.6	15.0	22.6	32.2	54.0	49.8	46.2	31.0	24.2	22.1	18.1
(WY)	1993	2002	1999	2002	1992	1990	1995	2001	1999	1999	1995	1995

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01546400 SPRING CREEK AT HOUSERVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1985 - 2005	
ANNUAL TOTAL	43236		29673			
ANNUAL MEAN	118		81.3		70.9	
HIGHEST ANNUAL MEAN					127	2004
LOWEST ANNUAL MEAN					38.9	2001
HIGHEST DAILY MEAN	1620	Sep 18	519	Mar 29	1620	Sep 18 2004
LOWEST DAILY MEAN	39	Jul 11	21	Aug 23 ^a	13	Dec 31 1998 ^b
ANNUAL SEVEN-DAY MINIMUM	44	Jun 28	21	Aug 23	13	Jan 5 1999
MAXIMUM PEAK FLOW			593	Mar 29	2370	Jan 19 1996
MAXIMUM PEAK STAGE			6.47	Mar 29	10.05	Jan 19 1996
ANNUAL RUNOFF (CFSM)	2.02		1.39		1.21	
ANNUAL RUNOFF (INCHES)	27.49		18.87		16.46	
10 PERCENT EXCEEDS	192		154		135	
50 PERCENT EXCEEDS	90		67		51	
90 PERCENT EXCEEDS	54		23		22	

^a Also Aug. 24-30, Sept. 13, 14.

^b Also Jan. 1, 5-8, 10, 11, 1999.

^c Computed using estimated daily discharges.

