



2005 Water Year  
SCHUYLKILL RIVER BASIN

01472620 East Branch Perkiomen Creek near Dublin, PA

Latitude: 40° 24 ' 14"

Longitude: 075° 14 ' 05"

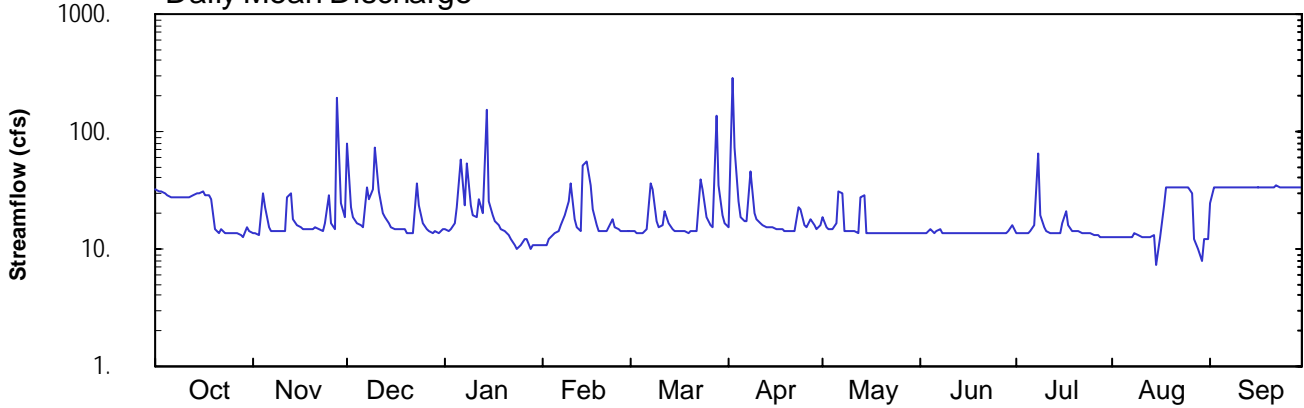
Hydrologic Unit Code: 02040203

Bucks County

Datum: 338.14 feet

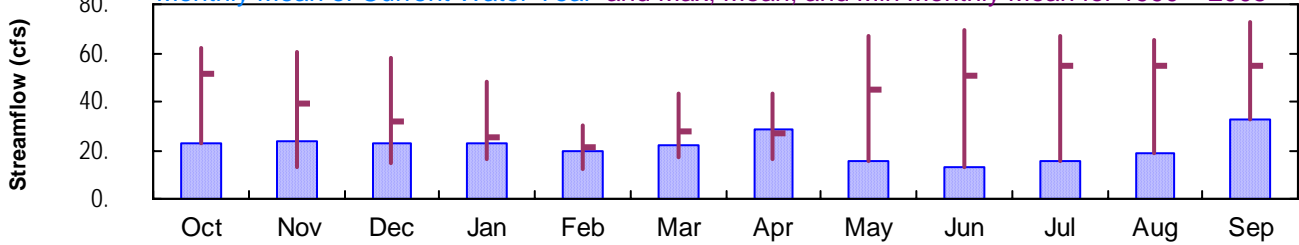
Drainage Area: 4.05 mi<sup>2</sup>

### Daily Mean Discharge

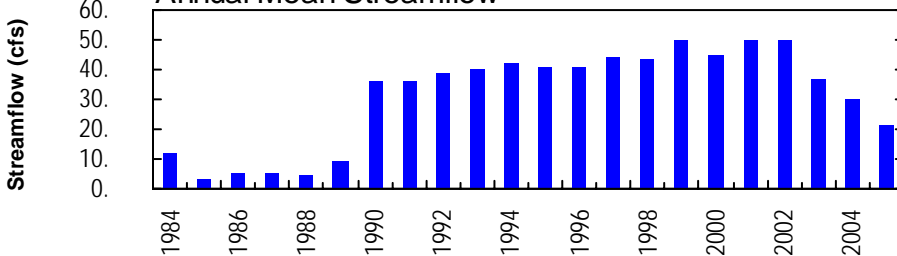


### Monthly Statistics

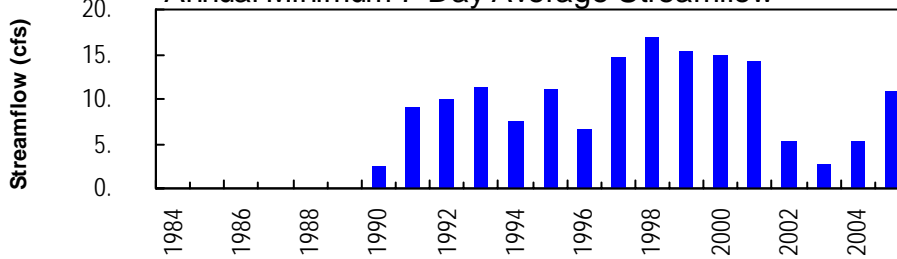
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1990 – 2005



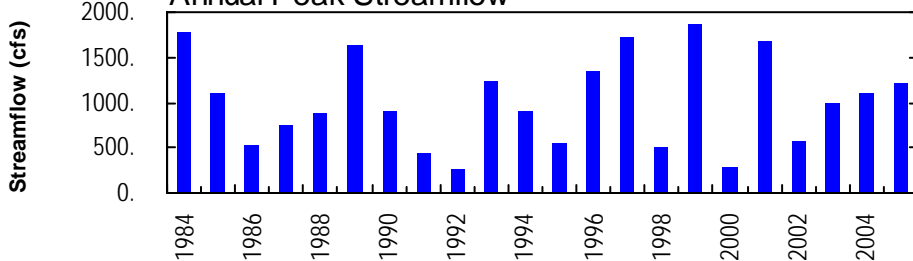
### Annual Mean Streamflow



### Annual Minimum 7-Day Average Streamflow



### Annual Peak Streamflow



01472620-EB Perkiomen Creek near Dublin

SCHUYLKILL RIVER BASIN

01472620 EAST BRANCH PERKIOMEN CREEK NEAR DUBLIN, PA

LOCATION.--Lat 40°24'14", long 75°14'05", Bucks County, Hydrologic Unit 02040203, on right bank 40 ft downstream from bridge on Bucks Road, 4.5 mi northeast of Perkasio, and 5.0 mi southeast of Quakertown.

DRAINAGE AREA.--4.05 mi<sup>2</sup>, not including distributary.

PERIOD OF RECORD.--October 1983 to current year.

REVISED RECORD.--WDR PA-99-1: 1984, 1985, 1989, 1993, 1994, 1996, 1997 (M).

GAGE.--Water-stage recorder, crest-stage gage and concrete control. Datum of gage is 338.14 ft (revised) above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion since August 1989 from Delaware River at Point Pleasant to Bradshaw Reservoir (Geddes Creek Basin). Pumpage from reservoir enters the stream about 0.5 mi upstream of gage. Pumpage into the creek was equivalent to an annual mean discharge of 14.4 ft<sup>3</sup>/s. See station 01472618, Distributary from Bradshaw Reservoir, for pumpage data. Peak flows are unregulated. 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 base discharge of 350 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Nov. 28	0900	793	5.44	Mar. 28	1630	618	4.79
Jan. 14	0900	436	3.98	Apr. 2	1900	*1,210	*6.85

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	33	13	79	15	e11	14	16	18	13	13	13	24
2	31	13	23	14	e11	14	286	16	13	14	13	33
3	31	13	18	15	e12	14	72	15	14	13	13	33
4	30	30	17	17	e13	13	25	15	15	13	13	33
5	28	23	16	23	14	14	19	16	13	13	13	33
6	28	16	15	57	14	15	18	31	14	14	13	33
7	28	14	33	23	16	36	18	30	15	16	13	33
8	28	14	26	54	19	32	46	14	14	65	14	33
9	28	14	33	24	26	17	20	14	13	19	13	33
10	27	14	73	19	37	15	18	14	13	15	13	33
11	28	14	31	19	18	16	17	14	13	14	13	33
12	28	27	21	27	15	21	16	14	13	13	13	33
13	28	30	18	20	14	17	15	28	13	13	13	33
14	30	18	17	153	52	15	15	29	13	13	13	33
15	30	16	15	25	56	14	15	13	13	13	7.3	33
16	31	15	15	20	35	14	15	13	13	17	13	33
17	29	15	15	17	22	14	15	13	13	21	23	33
18	28	15	15	16	16	14	15	13	13	16	33	33
19	27	15	15	e15	14	14	14	13	13	14	34	33
20	15	15	14	e14	14	14	14	14	13	14	34	33
21	14	16	13	e13	14	14	14	13	13	14	34	34
22	15	15	13	e12	15	14	14	13	14	13	34	34
23	14	14	36	e11	18	40	23	13	13	13	34	34
24	13	16	23	e10	15	33	22	13	13	13	34	34
25	13	29	16	e11	15	18	16	13	13	14	33	34
26	13	17	15	e12	14	16	15	13	13	13	30	34
27	13	15	14	e12	14	15	18	13	13	13	12	34
28	13	193	14	e10	14	137	16	13	13	13	9.9	34
29	13	24	14	e11	---	35	15	13	14	13	7.8	34
30	15	19	14	e11	---	19	16	13	16	13	12	34
31	14	---	15	e11	---	16	---	13	---	13	12	---
TOTAL	716	702	696	711	548	694	858	490	402	488	580.0	991
MEAN	23.1	23.4	22.5	22.9	19.6	22.4	28.6	15.8	13.4	15.7	18.7	33.0
MAX	33	193	79	153	56	137	286	31	16	65	34	34
MIN	13	13	13	10	11	13	14	13	13	13	7.3	24

e Estimated.

SCHUYLKILL RIVER BASIN

01472620 EAST BRANCH PERKIOMEN CREEK NEAR DUBLIN, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	51.1	39.0	31.9	25.3	21.3	27.5	27.1	44.6	51.0	54.6	54.4	54.4
MAX	61.8	60.3	57.9	48.1	30.1	43.2	43.4	66.9	69.6	67.0	65.1	72.5
(WY)	2001	1999	1999	2002	2002	1993	2002	2001	2001	2001	2000	1999
MIN	23.1	12.8	14.5	16.6	12.3	17.2	16.4	15.8	13.4	15.7	18.7	33.0
(WY)	2005	1991	1995	2003	1991	1991	1992	2005	2005	2005	2005	2005

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1990 - 2005

ANNUAL TOTAL	10221.5			7876.0			40.3						
ANNUAL MEAN	27.9			21.6			21.6						
HIGHEST ANNUAL MEAN							50.3						
LOWEST ANNUAL MEAN							21.6						
HIGHEST DAILY MEAN	215			Sep 18			286		Apr 2		528		Sep 16 1999
LOWEST DAILY MEAN	3.2			Sep 26			7.3		Aug 15		a0.00		Sep 24 2002
ANNUAL SEVEN-DAY MINIMUM	5.4			Sep 21			11		Jan 23		2.5		Apr 17 1990
MAXIMUM PEAK FLOW							1210		Apr 2		b1860		Sep 16 1999
MAXIMUM PEAK STAGE							6.85		Apr 2		8.57		Sep 16 1999
10 PERCENT EXCEEDS	37						33				64		
50 PERCENT EXCEEDS	28						15				36		
90 PERCENT EXCEEDS	14						13				13		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1989, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.19	10.1	8.67	5.60	11.8	8.00	7.61	9.15	3.18	5.25	2.89	6.55
MAX	2.56	14.7	20.9	9.16	19.1	15.7	17.2	21.0	12.5	20.9	15.6	25.7
(WY)	1986	1986	1984	1986	1984	1984	1984	1984	1989	1984	1989	1989
MIN	.14	1.92	1.96	2.61	4.26	2.21	.91	.41	.090	.13	.025	.027
(WY)	1987	1985	1989	1985	1987	1985	1985	1986	1987	1985	1987	1986

SUMMARY STATISTICS WATER YEARS 1984 - 1989

ANNUAL MEAN	6.63											
HIGHEST ANNUAL MEAN	11.7						1984					
LOWEST ANNUAL MEAN	3.60						1985					
HIGHEST DAILY MEAN	418			Sep 20			1989					
LOWEST DAILY MEAN	.00			Jul 20			1985					
ANNUAL SEVEN-DAY MINIMUM	.00			Sep 14			1985					
MAXIMUM PEAK FLOW	b1790			Jul 7			1984					
MAXIMUM PEAK STAGE	8.41			Jul 7			1984					
ANNUAL RUNOFF (CFSM)	1.50											
ANNUAL RUNOFF (INCHES)	20.42											
10 PERCENT EXCEEDS	13											
50 PERCENT EXCEEDS	1.2											
90 PERCENT EXCEEDS	.06											

- a Result of no pumpage from the Delaware River diversion.
- b From rating curve extended above 1,300 ft<sup>3</sup>/s.

