



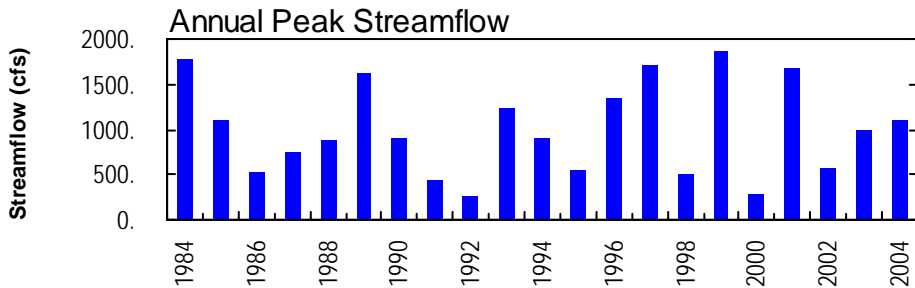
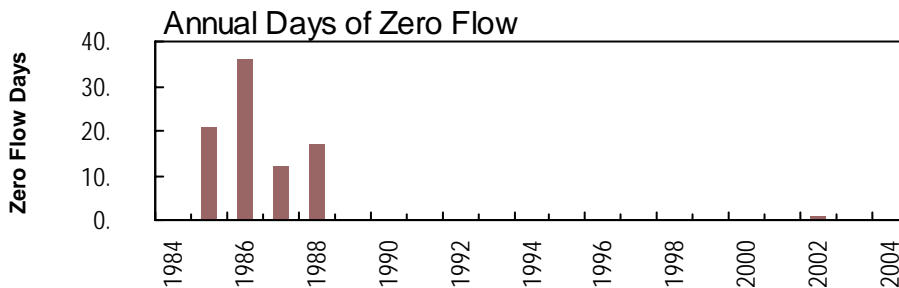
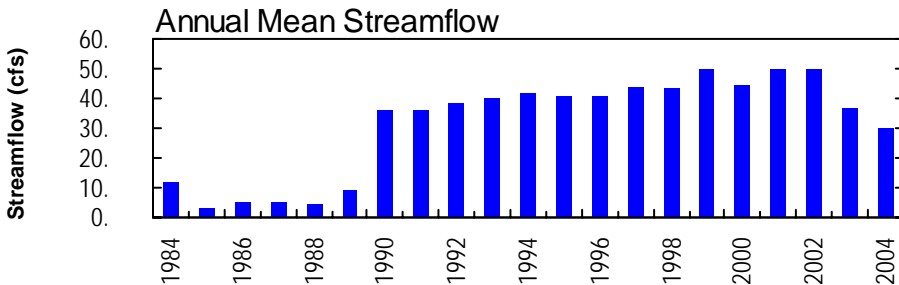
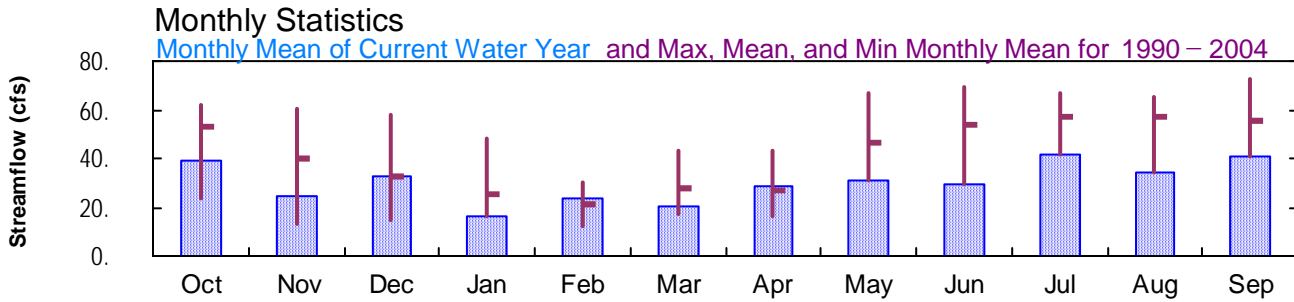
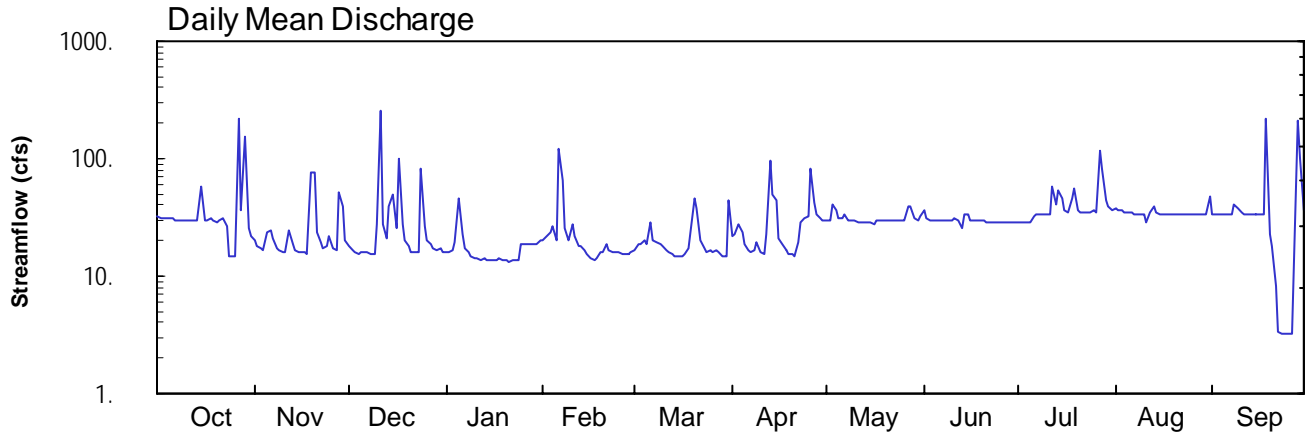
2004 Water Year SCHUYLKILL RIVER BASIN

01472620 East Branch Perkiomen Creek near Dublin, PA

Latitude: 40° 24 ' 14"
Bucks County

Longitude: 075° 14 ' 05"
Datum: 338.14 feet

Hydrologic Unit Code: 02040203
Drainage Area: 4.05 mi²



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 mi², 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 below 10 ft³/s, which are poor, and 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 19.9 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 27	1645	646	4.90	July 27	2015	779	5.39
Nov. 19	1915	444	4.02	Sept. 18	1330	964	6.08
Dec. 11	1015	1,010	6.24	Sept. 28	2045	*1,090	*6.49
Dec. 17	1000	405	3.84				

**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	32	20	18	16	20	17	22	29	37	28	38	34
2	31	18	17	16	e22	19	23	29	31	28	37	33
3	31	17	16	17	23	19	27	41	30	28	36	33
4	32	16	15	19	26	20	24	37	30	28	35	33
5	31	24	16	45	20	19	19	32	30	28	36	33
6	30	24	16	22	122	29	17	31	30	32	35	33
7	30	21	16	17	64	20	16	34	30	34	34	33
8	30	18	15	16	25	19	17	30	30	34	34	41
9	30	16	15	15	20	19	19	29	29	34	34	38
10	29	16	28	14	28	18	16	29	30	34	34	35
11	29	16	257	14	22	17	15	29	31	34	29	34
12	29	25	27	14	18	16	23	28	30	59	35	34
13	29	19	21	14	18	15	96	28	25	40	39	34
14	30	17	39	14	17	15	49	29	33	54	35	34
15	58	16	50	13	15	15	44	29	33	45	34	34
16	30	16	25	13	14	15	21	27	29	36	34	34
17	29	16	101	13	14	16	19	30	30	35	34	34
18	32	15	28	14	14	17	17	29	30	46	34	215
19	29	75	21	14	16	23	15	30	29	56	34	23
20	28	76	18	13	16	46	15	29	29	37	34	18
21	30	24	16	13	19	38	15	29	29	35	33	8.1
22	31	20	16	13	17	20	19	29	29	35	34	3.3
23	27	18	16	13	16	17	28	29	29	34	34	3.3
24	15	18	82	13	16	16	31	29	29	35	33	3.3
25	15	22	27	18	16	16	33	29	28	36	33	3.3
26	15	17	20	19	16	16	83	30	28	35	33	3.2
27	223	17	19	19	15	17	43	40	28	119	33	13
28	36	52	17	19	15	16	34	40	29	82	33	208
29	155	39	17	19	16	15	31	31	29	43	33	98
30	26	20	17	19	---	15	30	30	28	39	33	36
31	22	---	16	e20	---	45	---	33	---	37	47	---
TOTAL	1224	728	1022	518	680	625	861	958	892	1280	1074	1219.5
MEAN	39.5	24.3	33.0	16.7	23.4	20.2	28.7	30.9	29.7	41.3	34.6	40.6
MAX	223	76	257	45	122	46	96	41	37	119	47	215
MIN	15	15	15	13	14	15	15	27	25	28	29	3.2

e Estimated.

SCHUYLKILL RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.0	40.1	32.5	25.5	21.4	27.8	27.0	46.5	53.5	57.2	56.8	55.9
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	23.8	12.8	14.5	16.6	12.3	17.2	16.4	30.9	29.7	41.3	34.6	40.7
(WY)	1990	1991	1995	2003	1991	1991	1992	2004	2004	2004	2004	2004

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1990 - 2004

ANNUAL TOTAL		13307.51		11081.5								
ANNUAL MEAN		36.5		30.3					41.5			
HIGHEST ANNUAL MEAN									50.3			1999
LOWEST ANNUAL MEAN									30.3			2004
HIGHEST DAILY MEAN				257	Dec 11		257	Dec 11	528	Sep 16		1999
LOWEST DAILY MEAN				a0.45	Jan 23-25		a3.2	Sep 26	a0.00	Sep 24		2002
ANNUAL SEVEN-DAY MINIMUM				2.7	Jan 21		5.4	Sep 21	2.5	Apr 17		1990
MAXIMUM PEAK FLOW							1090	Sep 28	b1860	Sep 16		1999
MAXIMUM PEAK STAGE							6.49	Sep 28	8.57	Sep 16		1999
10 PERCENT EXCEEDS				64			40		64			
50 PERCENT EXCEEDS				31			28		39			
90 PERCENT EXCEEDS				14			15		14			

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 ft³/s.