

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 334.12 ft above sea level.

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 41.5 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)
Dec. 17	0800	*1,660	*8.09	June 16	2330	628	4.83

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	64	32	15	40	20	25	50	70	75	64	64
2	62	64	32	15	32	19	22	54	86	71	60	64
3	62	64	32	e14	23	19	19	66	72	69	26	63
4	70	64	41	14	19	18	18	68	71	70	73	62
5	64	64	56	14	21	19	17	68	68	70	66	62
6	64	64	56	14	21	19	23	68	68	68	65	62
7	64	64	56	14	27	30	21	68	68	68	64	62
8	64	64	56	15	24	26	23	68	68	67	64	62
9	55	64	50	15	25	27	27	68	68	67	63	62
10	43	65	40	15	110	22	31	68	68	66	64	62
11	53	64	47	24	29	20	25	68	68	66	67	56
12	60	64	47	38	21	19	29	68	68	66	67	62
13	60	64	56	38	23	63	22	67	68	66	70	62
14	60	51	63	38	24	27	19	66	66	66	67	62
15	60	39	38	26	32	21	18	66	66	66	66	62
16	62	39	40	16	32	21	24	66	116	60	66	62
17	62	54	321	17	36	28	20	66	70	66	66	62
18	65	64	45	17	20	24	25	66	70	67	66	62
19	64	64	38	62	19	19	19	66	67	66	65	62
20	64	64	34	51	19	18	18	66	66	66	64	64
21	64	57	21	27	20	49	17	67	66	66	64	64
22	64	56	18	20	18	42	17	75	66	66	64	62
23	63	56	17	20	18	24	16	67	67	66	64	62
24	63	56	16	19	17	21	16	56	66	66	64	62
25	62	56	16	19	31	19	15	68	66	66	64	68
26	62	59	15	18	47	19	32	68	66	72	64	64
27	62	34	15	18	25	18	62	77	66	66	64	62
28	62	32	15	16	22	18	62	74	66	66	64	62
29	65	32	15	16	---	18	62	72	66	66	64	62
30	64	32	15	49	---	92	62	70	62	66	64	62
31	64	---	15	51	---	33	---	70	---	65	64	---
TOTAL	1915	1678	1358	745	795	832	806	2075	2089	2077	1977	1871
MEAN	61.8	55.9	43.8	24.0	28.4	26.8	26.9	66.9	69.6	67.0	63.8	62.4
MAX	70	65	321	62	110	92	62	77	116	75	73	68
MIN	43	32	15	14	17	18	15	50	62	60	26	56

e Estimated.

SCHUYLKILL RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.8	40.9	31.9	25.1	20.4	28.5	25.9	46.7	55.1	58.0	59.6	59.0
MAX	61.8	60.3	57.9	41.0	28.4	43.2	39.7	66.9	69.6	67.0	65.1	72.5
(WY)	2001	1999	1999	1999	2001	1993	1999	2001	2001	2001	2000	1999
MIN	23.8	12.8	14.5	17.8	12.3	17.2	16.4	32.2	34.8	44.5	54.2	52.5
(WY)	1990	1991	1995	1993	1991	1991	1992	1996	1992	1990	1995	1995

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	17509.9		18218			
ANNUAL MEAN	47.8		49.9		42.2	
HIGHEST ANNUAL MEAN					50.3	
LOWEST ANNUAL MEAN					35.7	
HIGHEST DAILY MEAN	321		321		528	
LOWEST DAILY MEAN	4.6		e14		1.4	
ANNUAL SEVEN-DAY MINIMUM	15		a14		2.5	
MAXIMUM PEAK FLOW			b1660		b1860	
MAXIMUM PEAK STAGE			8.09		8.57	
10 PERCENT EXCEEDS	66		68		64	
50 PERCENT EXCEEDS	60		62		43	
90 PERCENT EXCEEDS	16		18		13	

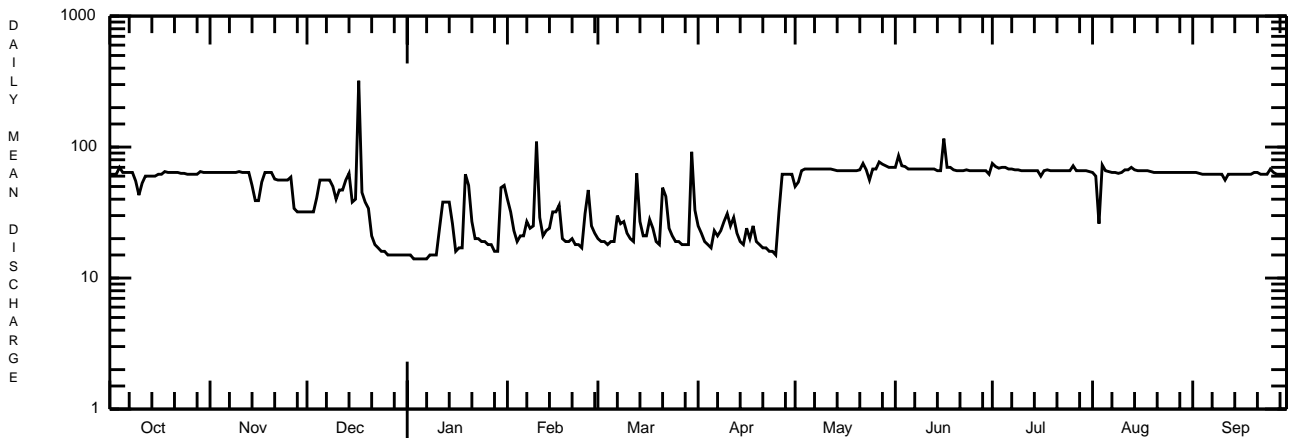
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1989, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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 Computed using estimated daily discharges.
- b From rating curve extended above 1,300 ft³/s.
- e Estimated.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001