

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.--No estimated daily discharges. Records good. 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 40.2 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. 14	1615	*275	*3.21	(No peaks above base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	49	38	31	17	5.3	16	41	62	62	63	62
2	63	46	37	31	16	4.6	16	41	61	62	60	62
3	62	41	36	34	15	12	15	41	60	62	69	62
4	63	38	36	58	15	26	34	49	60	62	66	62
5	72	37	36	54	15	26	19	62	60	62	67	62
6	65	37	56	59	15	25	17	62	61	62	66	62
7	64	37	34	58	15	25	16	62	62	62	66	62
8	64	37	34	58	15	25	16	62	60	62	66	62
9	63	37	33	58	15	25	24	62	60	62	66	62
10	67	36	35	65	15	25	19	63	60	62	66	62
11	48	36	35	44	16	23	17	62	58	62	66	62
12	62	36	32	39	17	49	16	60	45	64	65	62
13	62	36	33	32	17	19	16	61	63	64	64	62
14	52	36	79	17	45	16	15	60	62	65	76	62
15	60	36	35	16	44	14	15	61	62	66	69	68
16	60	36	30	16	40	13	16	61	62	59	65	63
17	46	36	34	15	30	72	19	62	62	65	65	62
18	36	36	33	14	21	30	24	62	62	66	65	62
19	36	36	33	15	40	28	18	82	62	66	65	62
20	46	36	35	15	28	22	16	78	62	66	64	62
21	40	36	37	15	27	32	46	72	63	66	64	62
22	39	36	33	15	30	73	29	71	66	66	64	62
23	41	36	32	15	35	24	21	69	63	66	64	62
24	39	36	31	15	48	19	18	74	62	66	64	62
25	38	36	31	15	52	18	16	49	62	66	64	62
26	38	36	31	17	37	17	16	39	62	67	64	64
27	37	51	31	17	33	17	15	38	62	68	64	63
28	36	19	31	17	42	65	15	37	62	68	64	62
29	36	31	30	17	8.0	21	15	36	62	67	62	62
30	37	38	30	17	---	18	19	57	62	66	62	62
31	53	---	31	17	---	17	---	62	---	64	62	---
TOTAL	1589	1110	1102	906	763.0	805.9	574	1798	1832	1993	2017	1870
MEAN	51.3	37.0	35.5	29.2	26.3	26.0	19.1	58.0	61.1	64.3	65.1	62.3
MAX	72	51	79	65	52	73	46	82	66	68	76	68
MIN	36	19	30	14	8.0	4.6	15	36	45	59	60	62

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.1	39.6	30.8	25.1	19.7	28.6	25.8	44.8	53.8	57.1	59.3	58.7
MAX (WY)	1999	1999	1999	1999	2000	1993	1999	1997	2000	1998	2000	1999
MIN (WY)	1990	1991	1995	1993	1991	1991	1992	1996	1992	1990	1995	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1990 - 2000	
ANNUAL TOTAL	16672.5	16359.9		
ANNUAL MEAN	45.7	44.7	41.5	
HIGHEST ANNUAL MEAN			50.3	1999
LOWEST ANNUAL MEAN			35.7	1990
HIGHEST DAILY MEAN	528	Sep 16	528	Sep 16 1999
LOWEST DAILY MEAN	8.5	Mar 15	1.4	Mar 11 1990
ANNUAL SEVEN-DAY MINIMUM	15	Mar 31	2.5	Apr 17 1990
INSTANTANEOUS PEAK FLOW			1860	Sep 16 1999
INSTANTANEOUS PEAK STAGE			8.57	Sep 16 1999
10 PERCENT EXCEEDS	61	66	62	
50 PERCENT EXCEEDS	45	46	42	
90 PERCENT EXCEEDS	19	16	13	

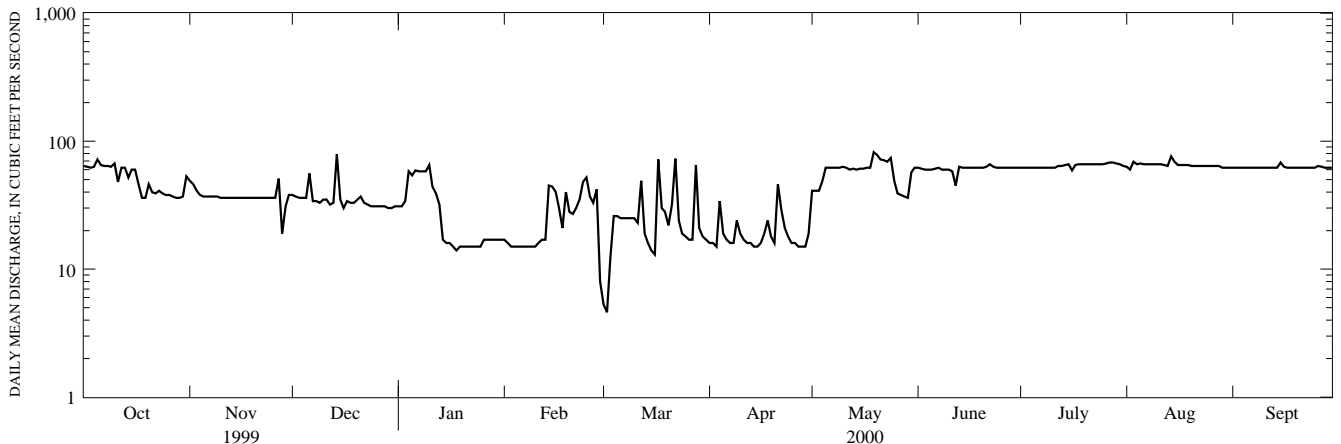
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1989, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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 (WY)	1986	1986	1984	1986	1984	1984	1984	1984	1989	1984	1989	1989
MIN (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
INSTANTANEOUS PEAK FLOW	1790	Jul 7 1984
INSTANTANEOUS 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 From rating curve extended above 1,300 ft³/s.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000