

SCHUYLKILL RIVER BASIN

01472198 PERKIOMEN CREEK AT EAST GREENVILLE, PA

LOCATION.--Lat 40°23'38", long 75°30'57", Montgomery County, Hydrologic Unit 02040203, on right bank 100 ft upstream from bridge on Church Road, 0.9 mi upstream from Molasses Creek, and 1.0 mi southwest of East Greenville.

DRAINAGE AREA.--38.0 mi².

PERIOD OF RECORD.--October 1981 to current year.

REVISED RECORD.--1982-97(P).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 288.50 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, and those greater than 1,500 ft³/s, which are poor. 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 1,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 22	0300	*1,680	*4.40	No other peak greater than 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	49	22	34	33	e23	86	78	57	44	23	98	21
2	36	72	31	33	e20	75	75	61	41	22	64	43
3	30	90	31	36	e20	66	73	55	37	21	114	e20
4	44	46	31	40	e20	61	92	52	35	22	116	e19
5	84	38	29	53	e23	57	73	52	34	20	43	e18
6	46	35	101	35	e20	51	66	50	81	19	34	13
7	36	31	64	33	e20	49	61	47	55	18	39	13
8	31	28	47	31	e19	48	60	45	40	18	27	13
9	29	26	41	30	e23	47	122	42	35	18	30	14
10	151	26	45	76	e22	46	86	45	31	18	24	13
11	85	25	47	79	e20	82	69	49	29	17	21	13
12	53	23	38	52	e20	197	66	43	45	16	20	13
13	45	23	36	47	e19	82	59	57	54	16	20	43
14	54	24	203	e33	e33	68	58	90	51	16	39	18
15	39	22	145	34	e70	61	59	45	46	20	44	52
16	35	21	84	35	e60	60	69	39	42	18	23	20
17	33	21	66	23	e75	261	72	37	36	17	19	17
18	31	20	57	e17	63	102	97	36	52	16	20	15
19	27	20	51	e21	73	81	69	113	43	17	21	30
20	42	21	66	e21	66	73	62	113	34	20	18	61
21	37	22	93	e21	63	201	291	82	34	16	16	24
22	30	21	61	e20	68	799	237	68	93	35	16	18
23	39	21	53	e19	81	199	132	70	42	17	16	18
24	31	22	48	e20	117	143	102	154	33	16	17	20
25	27	23	39	e21	161	121	85	165	30	18	16	18
26	26	37	40	e22	165	108	78	76	31	27	15	39
27	25	182	40	e20	132	93	76	62	28	48	14	31
28	23	65	37	e18	245	249	72	58	26	23	16	21
29	22	47	35	e20	109	118	66	54	25	19	16	18
30	22	40	34	e20	---	97	61	49	27	22	15	17
31	22	---	35	e25	---	84	---	46	---	40	17	---
TOTAL	1284	1114	1762	988	1850	3865	2666	2012	1234	653	1008	693
MEAN	41.4	37.1	56.8	31.9	63.8	125	88.9	64.9	41.1	21.1	32.5	23.1
MAX	151	182	203	79	245	799	291	165	93	48	116	61
MIN	22	20	29	17	19	46	58	36	25	16	14	13
CFSM	1.09	.98	1.50	.84	1.68	3.28	2.34	1.71	1.08	.55	.86	.61
IN.	1.26	1.09	1.72	.97	1.81	3.78	2.61	1.97	1.21	.64	.99	.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2000, BY WATER YEAR (WY)

MEAN	36.7	51.8	68.8	72.0	75.2	100	97.3	71.9	46.4	37.7	28.4	34.3
MAX	117	100	246	223	138	273	213	160	121	154	53.1	93.1
(WY)	1997	1993	1997	1996	1984	1994	1983	1989	1982	1984	1994	1999
MIN	13.6	16.7	14.7	26.4	33.6	34.5	24.9	35.0	18.5	10.2	11.3	13.4
(WY)	1982	1982	1999	1985	1992	1985	1985	1995	1999	1999	1995	1986

e Estimated.

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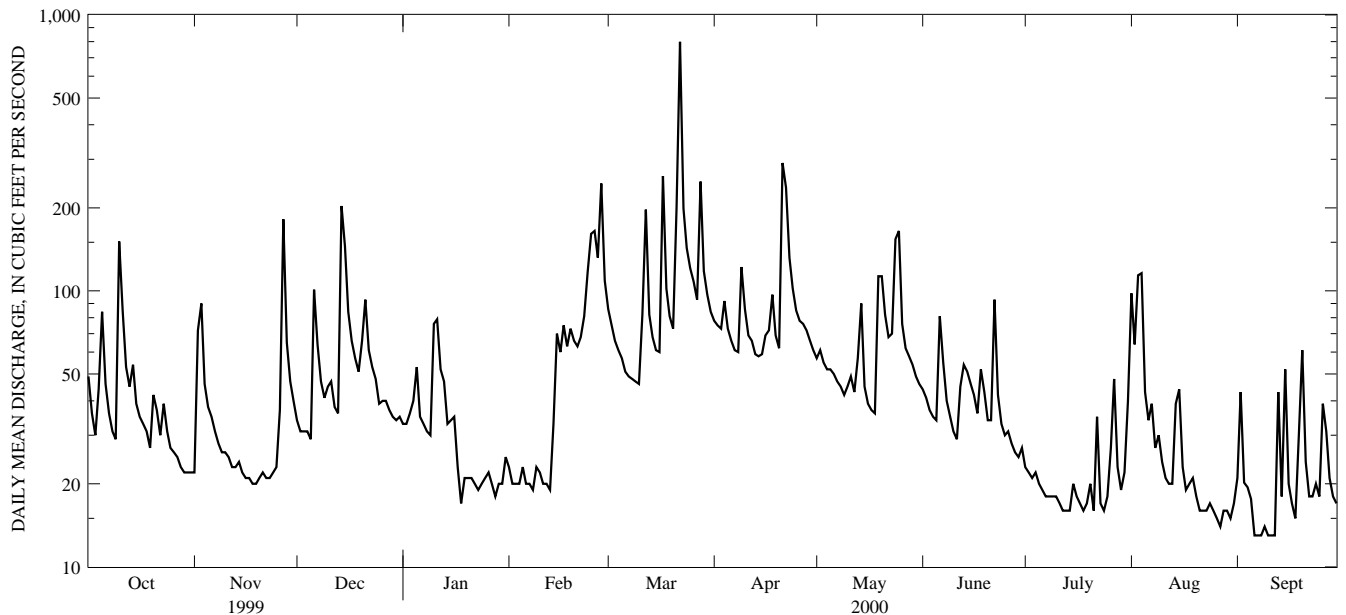
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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1982 - 2000	
ANNUAL TOTAL	18289.0		19129			
ANNUAL MEAN	50.1		52.3		60.0	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					34.5	1985
HIGHEST DAILY MEAN	1680	Sep 16	799	Mar 22	2800	Jan 19 1996
LOWEST DAILY MEAN	7.1	Aug 5	13	Sep 6 ^a	4.2	Aug 21 1985
ANNUAL SEVEN-DAY MINIMUM	7.4	Aug 1	13	Sep 6	4.4	Aug 18 1985
INSTANTANEOUS PEAK FLOW			b1680	Mar 22	b6740	Jun 25 1984
INSTANTANEOUS PEAK STAGE			4.40	Mar 22	7.26	Jun 25 1984
INSTANTANEOUS LOW FLOW			c3.9	Jan 17	3.8	Sep 5 1985
ANNUAL RUNOFF (CFSM)	1.32		1.38		1.58	
ANNUAL RUNOFF (INCHES)	17.90		18.73		21.44	
10 PERCENT EXCEEDS	81		94		114	
50 PERCENT EXCEEDS	35		37		37	
90 PERCENT EXCEEDS	9.3		18		15	

a Also Sept. 7, 8, 10-12.

b From rating curve extended above 1,500 ft³/s on basis of contracted-opening measurement at gage height 6.53 ft and Flood Insurance Study of Montgomery County.

c Result of freeze-up.



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