

**SCHUYLKILL RIVER BASIN**

**01473900 WISSAHICKON CREEK AT FORT WASHINGTON, PA**

**LOCATION.**--Lat 40°07'26", long 75°13'13", Montgomery County, Hydrologic Unit 02040203, on left bank at downstream side of bridge on State Highway 73, 0.5 mi downstream from Sandy Run, and 1 mi south of Fort Washington.

**DRAINAGE AREA.**--40.8 mi<sup>2</sup>.

**PERIOD OF RECORD.**--September 1961 to March 1969; June 2000 to current year.

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 139.98 ft above sea level. From Sept. 1961 to Mar. 1969 gage at present site at datum 140.70 ft above sea level.

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Several measurements of temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Sept. 16, 1999, reached a stage of 18.05 ft, from floodmarks, discharge about 14,300 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 1,300 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)
Dec. 17	1130	2,530	10.25	Mar. 30	0630	2,170	8.20
Mar. 21	2000	1,560	7.86	June 17	0030	*11,000	*a16.30

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	38	24	29	28	97	62	134	31	106	89	23	17
2	36	24	26	28	83	59	110	29	e360	78	21	16
3	34	23	25	27	72	54	96	31	e91	45	21	15
4	121	24	25	28	62	59	85	28	e64	44	59	16
5	144	24	24	28	249	79	79	26	50	45	34	17
6	44	23	24	28	183	69	105	22	44	42	24	16
7	37	23	23	27	170	99	93	21	40	37	22	15
8	34	23	23	30	125	86	87	21	35	38	21	15
9	33	24	23	33	139	86	85	22	30	41	20	14
10	32	84	22	28	345	69	122	20	27	37	38	16
11	31	29	22	27	112	61	118	19	27	35	60	16
12	30	25	22	27	87	56	142	18	34	32	108	15
13	30	24	21	27	85	352	92	16	28	30	114	15
14	29	41	235	26	80	104	77	16	24	28	33	70
15	28	32	49	40	82	86	77	15	36	28	25	23
16	28	25	49	44	92	125	143	14	1800	29	23	17
17	30	24	963	44	147	193	91	14	2490	48	22	17
18	39	24	123	40	77	104	89	16	183	90	20	16
19	34	23	62	354	69	81	79	15	124	36	19	17
20	29	23	52	326	66	73	76	14	104	30	30	40
21	28	24	42	118	63	408	76	94	92	27	21	153
22	26	24	41	68	59	231	69	283	85	26	19	26
23	27	24	36	58	62	114	62	e67	223	26	30	20
24	26	22	34	53	58	94	60	e30	112	26	22	19
25	26	23	31	49	113	81	51	e24	78	92	18	98
26	26	207	30	44	128	76	48	238	69	62	16	26
27	26	49	30	44	74	70	43	368	58	30	17	20
28	25	31	30	41	66	67	39	e119	54	25	18	18
29	24	30	29	38	---	67	34	e61	53	24	16	17
30	25	35	30	362	---	835	35	e46	50	35	17	16
31	24	---	29	154	---	182	---	e36	---	25	23	---
TOTAL	1144	1035	2204	2269	3045	4182	2497	1774	6571	1280	954	816
MEAN	36.9	34.5	71.1	73.2	109	135	83.2	57.2	219	41.3	30.8	27.2
MAX	144	207	963	362	345	835	143	368	2490	92	114	153
MIN	24	22	21	26	58	54	34	14	24	24	16	14
CFSM	.90	.85	1.74	1.79	2.67	3.31	2.04	1.40	5.37	1.01	.75	.67
IN.	1.04	.94	2.01	2.07	2.78	3.81	2.28	1.62	5.99	1.17	.87	.74

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

MEAN	21.8	30.1	45.2	60.7	74.9	97.3	62.9	47.8	53.3	27.1	32.0	27.7
MAX	55.7	58.4	111	108	119	140	115	77.5	219	51.2	107	84.2
(WY)	1967	1963	1968	1964	1966	1967	1962	1968	2001	1967	1967	2000
MIN	7.45	11.7	14.0	17.4	23.9	61.6	30.2	17.2	10.9	9.88	8.55	11.3
(WY)	1964	1966	1966	1966	1969	1965	1963	1963	1963	1962	1964	1968

a From floodmark.  
e Estimated.

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SUMMARY STATISTICS	FOR 2001 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	27771			
ANNUAL MEAN	76.1		48.8	
HIGHEST ANNUAL MEAN			76.1	2001
LOWEST ANNUAL MEAN			31.6	1965
HIGHEST DAILY MEAN	2490	Jun 17	2490	Jun 17 2001
LOWEST DAILY MEAN	14	May 16,17,20 <sup>b</sup>	4.6	Jul 5 1963
ANNUAL SEVEN-DAY MINIMUM	15	May 14	5.6	Jul 1 1963
MAXIMUM PEAK FLOW	c11000	Jun 17	c11000	Jun 17 2001
MAXIMUM PEAK STAGE	a16.30	Jun 17	a16.30	Jun 17 2001
INSTANTANEOUS LOW FLOW	9.8	May 20	2.9	Sep 2 1963
ANNUAL RUNOFF (CFSM)	1.86		1.20	
ANNUAL RUNOFF (INCHES)	25.32		16.26	
10 PERCENT EXCEEDS	123		89	
50 PERCENT EXCEEDS	35		25	
90 PERCENT EXCEEDS	19		9.0	

a From floodmark.

b Also Sept. 9.

c From rating curve extended above 1,860 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 16.30 ft.

