

## SCHUYLKILL RIVER BASIN

## 01474000 WISSAHICKON CREEK AT MOUTH, PHILADELPHIA, PA

**LOCATION.**--Lat 40°00'55", long 75°12'26", Philadelphia County, Hydrologic Unit 02040203, on left bank 100 ft upstream from dam at Ridge Avenue, 750 ft upstream from mouth, and 1,000 ft northwest of Gustine Lake in Philadelphia.

**DRAINAGE AREA.**--64.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--June 1897 to September 1903, January 1905 to July 1906, October 1965 to current year. Prior to October 1965, records furnished by Department of Public Works, City of Philadelphia. Records for 1971-74 published in WDR PA-81-1. Prior to October 1965, published as "near Philadelphia".

**REVISED RECORDS.**--WSP 1302: 1905: WDR PA-89-1: 1988.

**GAGE.**--Water-stage recorder, crest-stage gage and concrete control. Datum of gage is 26.41 ft above sea level. Prior to October 1965, water-stage recorder at about same site and datum.

**REMARKS.**--No estimated daily discharges. Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 2,000 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)
Mar. 22	0530	*3,330	*5.85	Aug. 4	0730	2,060	4.83

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	75	60	55	57	73	108	115	75	60	50	561	54
2	62	128	53	54	61	100	109	78	60	46	84	60
3	59	280	52	56	58	90	106	75	62	48	76	216
4	78	68	51	123	58	85	160	73	57	55	683	105
5	232	60	50	274	59	83	112	71	55	51	97	52
6	73	58	199	74	57	78	97	71	92	44	70	48
7	62	55	101	66	57	74	89	70	67	44	80	47
8	58	59	62	65	59	74	88	68	55	43	95	46
9	58	57	57	62	58	73	193	66	54	41	60	49
10	198	54	96	118	65	72	152	76	53	64	57	45
11	113	56	106	118	87	108	96	94	51	48	97	42
12	69	54	62	69	130	220	90	65	93	44	201	44
13	63	55	71	65	76	98	80	86	262	39	67	195
14	59	59	685	64	409	76	77	199	78	83	194	59
15	59	59	278	61	283	74	82	70	63	117	152	540
16	60	55	122	61	177	91	150	60	60	164	69	69
17	59	55	91	60	198	611	253	63	59	118	61	55
18	67	56	80	58	136	146	294	62	163	51	59	51
19	64	56	72	58	539	110	134	234	134	56	65	221
20	176	55	86	59	228	97	112	314	63	60	55	681
21	110	64	105	58	179	282	136	135	59	48	53	84
22	71	57	75	56	144	1630	202	87	339	51	51	63
23	101	54	67	57	152	265	123	77	75	45	50	58
24	68	55	67	57	162	194	104	292	60	43	49	59
25	62	66	63	63	180	167	97	149	56	44	50	73
26	59	75	60	63	162	147	92	82	54	288	50	699
27	58	458	59	57	130	136	86	73	54	479	51	155
28	56	86	59	58	209	511	82	71	60	78	77	83
29	56	63	55	57	125	176	80	66	58	60	53	71
30	57	58	58	60	---	138	78	64	53	56	53	66
31	56	---	58	96	---	124	---	63	---	218	53	---
TOTAL	2498	2475	3155	2304	4311	6238	3669	3129	2509	2676	3473	4090
MEAN	80.6	82.5	102	74.3	149	201	122	101	83.6	86.3	112	136
MAX	232	458	685	274	539	1630	294	314	339	479	683	699
MIN	56	54	50	54	57	72	77	60	51	39	49	42
CFSM	1.26	1.29	1.59	1.16	2.32	3.14	1.91	1.58	1.31	1.35	1.75	2.13
IN.	1.45	1.44	1.83	1.34	2.51	3.63	2.13	1.82	1.46	1.56	2.02	2.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

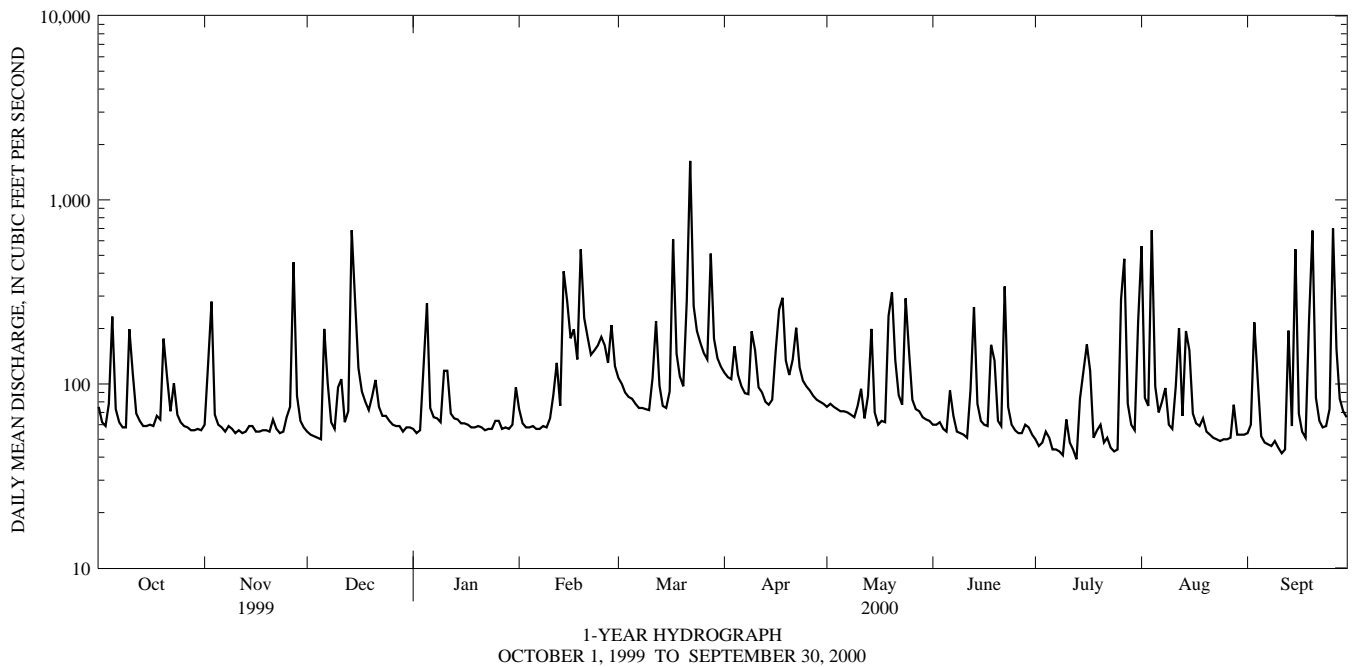
MEAN	69.0	87.2	114	120	122	152	140	116	86.7	81.1	75.2	85.1
MAX	216	265	398	378	266	370	410	229	244	230	171	365
(WY)	1997	1973	1997	1979	1979	1994	1983	1984	1989	1975	1973	1999
MIN	23.1	17.7	22.7	24.3	37.0	40.7	41.3	50.8	32.0	23.7	19.8	23.0
(WY)	1966	1966	1966	1981	1969	1985	1985	1986	1986	1999	1966	1968

SCHUYLKILL RIVER BASIN

01474000 WISSAHICKON CREEK AT MOUTH, PHILADELPHIA, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	39771		40527			
ANNUAL MEAN	109		111		104	
HIGHEST ANNUAL MEAN					169	
LOWEST ANNUAL MEAN					50.6	
HIGHEST DAILY MEAN	5560	Sep 16	1630	Mar 22	5560	Sep 16 1999
LOWEST DAILY MEAN	17	Jul 30, Aug 2-8	39	Jul 13	8.8	Aug 30 1995
ANNUAL SEVEN-DAY MINIMUM	17	Aug 2	46	Sep 6	12	Aug 27 1966
INSTANTANEOUS PEAK FLOW			3330	Mar 22	a19800	Sep 16 1999
INSTANTANEOUS PEAK STAGE			5.85	Mar 22	b11.50	Sep 16 1999
INSTANTANEOUS LOW FLOW			28	Jul 9,10	2.0	Jul 18 1905c
ANNUAL RUNOFF (CFSM)	1.70		1.73		1.62	
ANNUAL RUNOFF (INCHES)	23.12		23.56		22.06	
10 PERCENT EXCEEDS	144		200		179	
50 PERCENT EXCEEDS	59		68		60	
90 PERCENT EXCEEDS	22		53		28	

- a From rating curve extended above 4,000 ft<sup>3</sup>/s on basis of slope-area measurement at peak flow.
- b From floodmark. Maximum recorded 10.77 ft.
- c Also July 19. Minimum observed is outside computed statistical period.



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