



2005 Water Year POQUESSING CREEK BASIN

01465798 Poquessing Creek at Grant Ave. at Philadelphia, PA

Latitude: 40° 03 ' 25"

Longitude: 074° 59 ' 08"

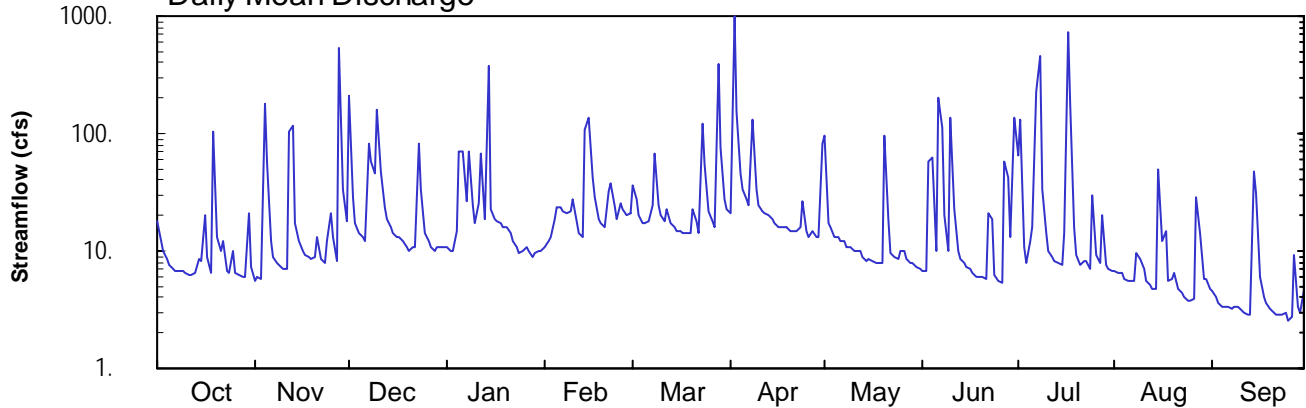
Hydrologic Unit Code: 02040202

Philadelphia County

Datum: 2.68 feet

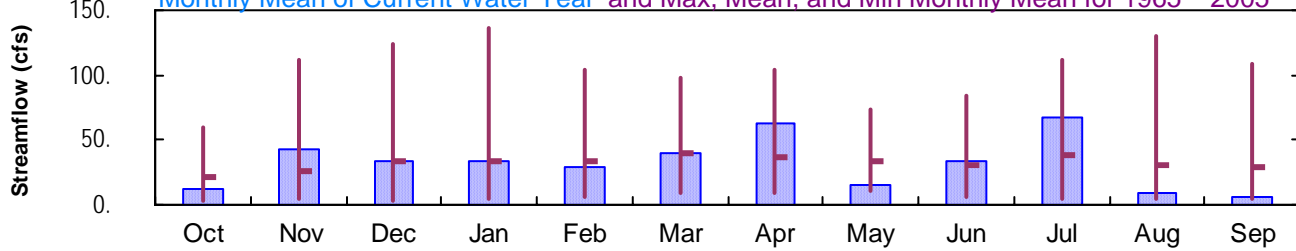
Drainage Area: 21.4 mi²

Daily Mean Discharge

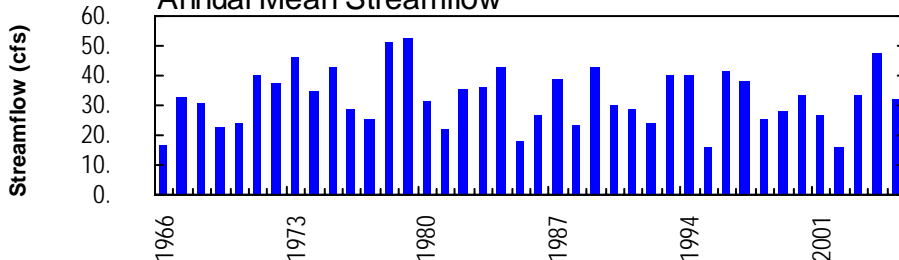


Monthly Statistics

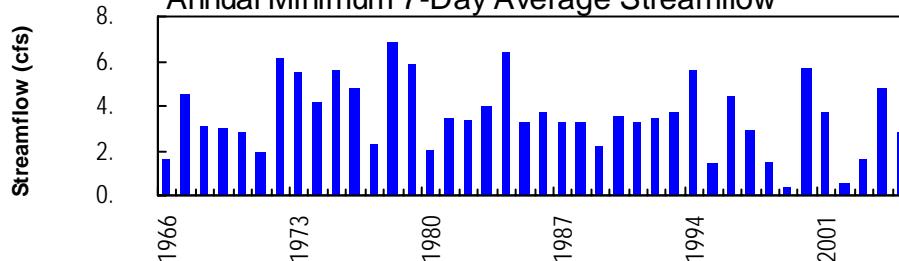
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1965 – 2005



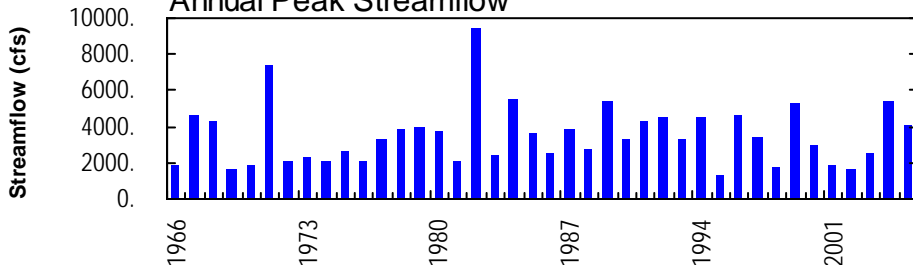
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01465798-Poquessing Creek at Grant Ave., at Philadelphia

POQUESSING CREEK BASIN

01465798 POQUESSING CREEK AT GRANT AVENUE, PHILADELPHIA, PA

LOCATION.--Lat 40°03'25", long 74°59'08", Philadelphia County, Hydrologic Unit 02040202, on right bank 600 ft upstream from Interstate Highway 95, 3,000 ft upstream from mouth, and in northeast Philadelphia.

DRAINAGE AREA.--21.4 mi².

PERIOD OF RECORD.--July 1965 to current year. Records for 1971-74 published in WDR PA-81-1.

REVISED RECORD.--WDR PA-86-1: 1985.

GAGE.--Water-stage recorder, crest-stage gage, and concrete low-water control. Datum of gage is 2.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Flow occasionally affected by tide.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 28	1030	2,460	8.95	June 6	2300	1,550	7.59
Jan. 14	----	2,580	9.10	July 7	0145	1,540	7.57
Mar. 28	1700	1,400	7.33	July 8	1330	2,050	8.38
Apr. 2	1900	3,100	9.75	July 17	2200	*4,070	*10.84

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	5.6	207	11	e11	36	21	96	6.9	65	6.7	4.6
2	12	6.0	29	10	12	28	995	17	6.8	134	6.5	4.1
3	9.9	5.9	17	10	13	20	156	16	59	11	6.4	3.6
4	8.5	181	14	15	19	17	46	13	62	7.9	5.9	3.3
5	7.6	55	13	71	24	17	33	13	10	12	5.6	3.3
6	7.0	12	12	70	24	18	28	12	200	16	5.6	3.3
7	6.8	8.9	83	27	22	25	25	12	114	227	5.5	3.2
8	6.7	7.8	58	70	21	68	132	11	20	466	9.7	3.3
9	6.7	7.3	46	25	22	25	33	11	10	34	8.7	3.3
10	6.6	7.0	157	17	28	20	25	10	136	14	7.0	3.2
11	6.3	7.1	48	26	18	18	22	10	23	10	5.6	3.0
12	6.3	106	24	67	14	23	21	9.9	10	8.9	5.2	2.9
13	6.4	119	19	19	13	17	20	9.0	8.5	8.3	4.8	2.9
14	8.5	17	16	e380	109	16	19	8.3	8.0	8.0	4.8	47
15	8.2	12	14	e23	138	15	17	8.4	7.3	7.7	49	31
16	20	10	13	e19	43	15	16	8.3	7.1	14	12	6.0
17	8.9	9.3	13	e18	29	14	16	8.0	6.6	723	15	4.1
18	6.6	8.9	12	e17	19	14	16	8.0	6.1	184	5.5	3.6
19	103	8.5	e11	16	17	14	16	7.9	6.1	16	5.8	3.2
20	13	8.8	e10	16	16	23	15	97	6.1	9.1	6.4	3.1
21	10	13	11	14	32	18	15	19	5.9	7.7	4.7	2.9
22	12	8.5	11	12	38	14	15	9.8	21	8.1	4.4	2.9
23	6.9	8.0	82	e11	25	123	16	8.9	19	8.2	4.0	2.9
24	6.6	12	33	e9.5	19	56	27	8.6	6.2	7.1	3.8	3.0
25	10	21	14	e10	26	22	15	10	5.6	30	3.8	2.6
26	6.4	13	e12	e11	23	18	13	10	5.3	9.4	3.9	2.8
27	6.3	8.2	e11	e10	20	16	15	8.6	59	7.8	29	9.1
28	6.1	540	e10	e9.0	21	397	13	7.8	42	20	14	3.3
29	6.1	34	11	e9.5	---	75	13	7.8	13	7.6	5.8	3.0
30	21	18	11	e10	---	28	83	7.4	135	7.1	5.7	4.6
31	7.4	---	11	e10	---	23	---	7.1	---	6.7	4.8	---
TOTAL	375.8	1278.8	1033	1043.0	816	1233	1897	490.8	1025.5	2095.6	265.6	179.1
MEAN	12.1	42.6	33.3	33.6	29.1	39.8	63.2	15.8	34.2	67.6	8.57	5.97
MAX	103	540	207	380	138	397	995	97	200	723	49	47
MIN	6.1	5.6	10	9.0	11	14	13	7.1	5.3	6.7	3.8	2.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	21.2	26.7	34.3	34.0	34.1	40.2	37.5	32.9	30.4	37.9	30.4	29.7
MAX	59.9	112	124	136	105	98.0	104	74.2	84.7	112	130	109
(WY)	1997	1973	1997	1979	1979	1994	1983	1989	1989	1989	1971	1999
MIN	3.63	4.23	3.58	4.34	6.03	9.17	8.91	10.6	5.94	3.98	4.22	3.93
(WY)	2002	2002	1999	1981	2002	1985	1985	1977	1966	1999	1995	1970

e Estimated.

POQUESSING CREEK BASIN

01465798 POQUESSING CREEK AT GRANT AVENUE, PHILADELPHIA, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL TOTAL	14903.1		11733.2			
ANNUAL MEAN	40.7		32.1		32.5	
HIGHEST ANNUAL MEAN					52.3	1979
LOWEST ANNUAL MEAN					15.7	2002
HIGHEST DAILY MEAN	1060	Sep 29	995	Apr 2	2490	Sep 16 1999
LOWEST DAILY MEAN	3.4	Jul 11	2.6	Sep 25	0.21	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	4.8	Sep 21	2.9	Sep 20	0.33	Aug 1 1999
MAXIMUM PEAK FLOW			a4070	Jul 17	a9400	Jul 28 1982
MAXIMUM PEAK STAGE			10.84	Jul 17	15.35	Jul 28 1982
10 PERCENT EXCEEDS	73		63		61	
50 PERCENT EXCEEDS	13		12		12	
90 PERCENT EXCEEDS	6.3		5.3		4.3	

a From rating curve extended above 550 ft³/s on basis of slope-area measurement of peak flow.

