



2004 Water Year CONODOGUINET CREEK BASIN

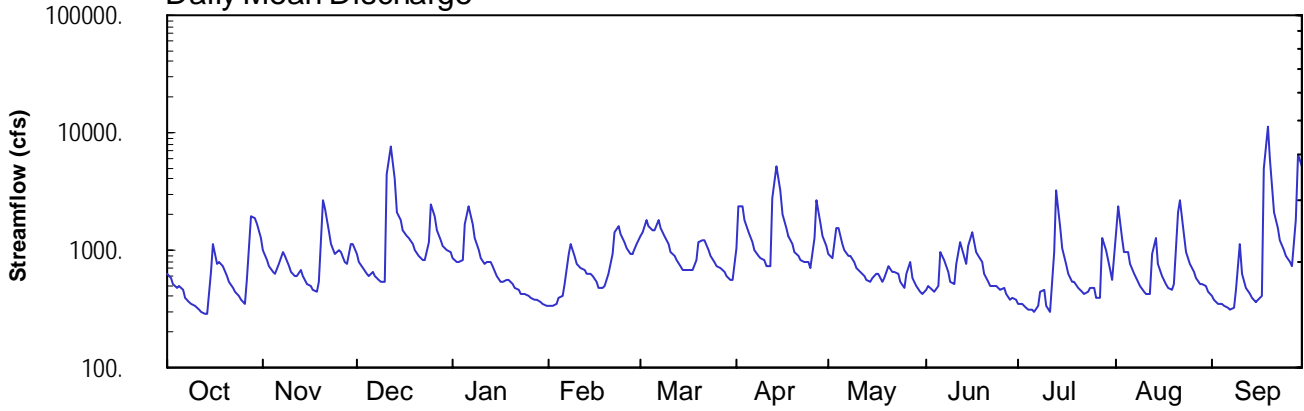
01570000 Conodoguinet Creek near Hogestown, PA

Latitude: 40° 15 ' 08"
Cumberland County

Longitude: 077° 01 ' 16"
Datum: 351.00 feet

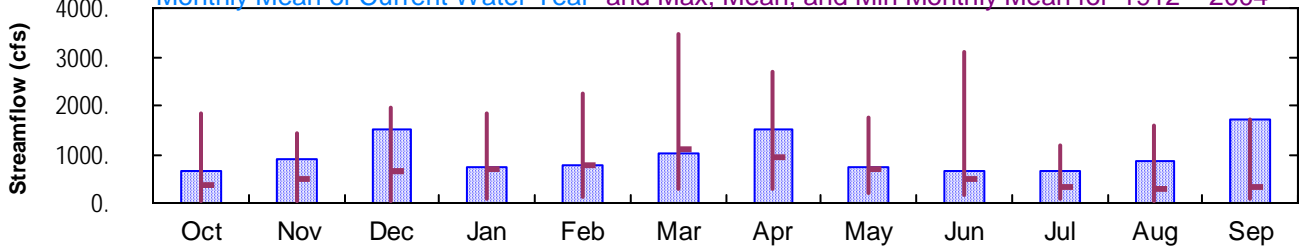
Hydrologic Unit Code: 02050305
Drainage Area: 470. mi²

Daily Mean Discharge

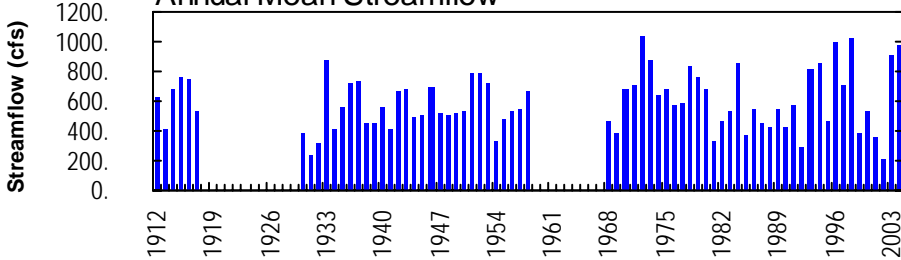


Monthly Statistics

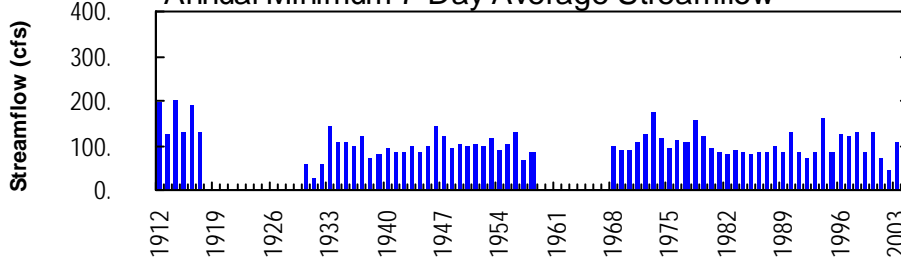
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1912 – 2004



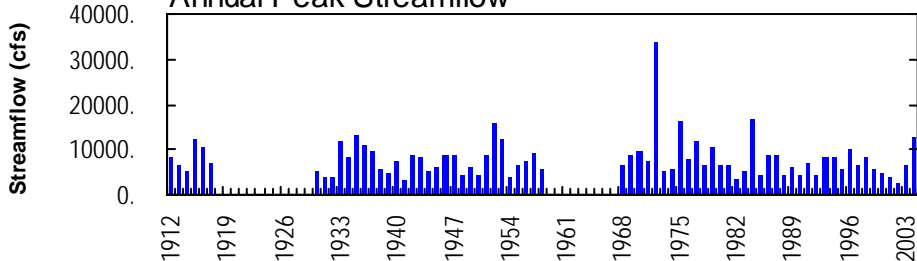
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



01570000-Conodoguinet Creek near Hogestown

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA

LOCATION.--Lat 40°15'08", long 77°01'17", Cumberland County, Hydrologic Unit 02050305, on left bank 1,000 ft upstream from highway bridge on Township Route 596 (Sample Bridge Road), 0.4 mi downstream from Hogestown Run, and 1.0 mi northeast of Hogestown.

DRAINAGE AREA.--470 mi².

PERIOD OF RECORD.--October 1911 to September 1917, October 1929 to September 1958, July 1967 to current year. October 1917 to December 1919 (gage heights and discharge measurements only), in reports of Water Supply Commission of Pennsylvania. Published as "*at Brysons Bridge*" 1912-17.

REVISED RECORDS.--WSP 1722: 1913, 1917.

GAGE.--Water-stage recorder. Datum of gage is 351.00 ft above National Geodetic Vertical Datum of 1929. Prior to December 1919, nonrecording gage at site 2 mi downstream at different datum. Oct. 1, 1929, to Aug. 3, 1931, nonrecording gage at site 1,000 ft downstream at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since June 1969 the Pennsylvania American Water Co. has diverted water upstream from station for municipal supply. Diversion for the year was equivalent to a mean daily discharge of 8.3 ft³/s. Satellite and landline telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 12	1430	7,760	9.10	Aug. 21	2315	4,010	6.47
Apr. 14	1545	5,490	7.62	Sept. 19	1845	*12,600	*11.35
July 13	0300	4,140	6.58	Sept. 30	0100	7,150	8.73

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	638	988	930	852	e340	1340	1030	934	461	345	1360	407
2	583	833	805	797	e330	1420	2330	871	497	349	2320	376
3	516	729	698	794	e350	1780	2340	1510	455	321	1250	354
4	477	657	623	831	e390	1610	1790	1530	437	307	950	343
5	489	623	600	1660	e400	1450	1450	1120	496	313	978	333
6	452	776	644	2380	515	1500	1150	990	946	301	775	320
7	397	970	607	1690	921	1780	996	881	827	329	623	312
8	366	881	557	1260	1130	1550	902	894	640	445	543	321
9	346	743	528	e1000	893	1340	870	805	541	453	487	455
10	330	655	527	e850	754	1120	807	712	512	338	447	1100
11	313	603	4360	e750	715	977	724	655	767	301	419	634
12	301	613	7480	e790	679	890	746	602	1160	965	429	474
13	291	674	4010	783	638	812	2750	562	997	3190	937	417
14	290	601	2140	718	624	729	5050	531	762	1540	1260	388
15	643	521	1820	e600	595	687	3180	572	1080	1050	771	359
16	1120	494	1490	e540	539	666	2010	629	1400	770	606	373
17	758	464	1310	e530	484	673	1560	628	955	617	518	410
18	803	439	1280	e560	483	672	1300	532	894	534	472	4900
19	725	537	1120	e550	493	808	1110	586	799	526	456	11200
20	605	2610	984	e510	624	1160	975	727	634	479	515	6130
21	526	2310	882	e480	908	1240	881	660	546	444	2120	2110
22	480	1450	813	e450	1400	1240	824	650	494	428	2610	1560
23	440	1120	824	e430	1570	1010	805	637	498	443	1340	1220
24	408	930	1160	e420	1390	882	795	544	490	474	958	1010
25	375	1010	2440	e400	1180	806	701	483	449	467	773	884
26	353	955	1910	e390	1020	745	1280	623	475	394	653	801
27	553	800	1460	e380	915	707	2700	778	417	394	570	726
28	1960	761	1220	e370	919	663	1730	590	381	1250	522	1830
29	1880	1120	1060	e360	1110	604	1290	504	399	1020	514	6510
30	1690	1140	993	e350	---	563	1080	448	384	689	489	5240
31	1250	---	964	e340	---	547	---	423	---	560	444	---
TOTAL	20358	27007	46239	22815	22309	31971	45156	22611	19793	20036	27109	51497
MEAN	657	900	1492	736	769	1031	1505	729	660	646	874	1717
MAX	1960	2610	7480	2380	1570	1780	5050	1530	1400	3190	2610	11200
MIN	290	439	527	340	330	547	701	423	381	301	419	312
CFSM	1.40	1.92	3.17	1.57	1.64	2.19	3.20	1.55	1.40	1.38	1.86	3.65
IN.	1.61	2.14	3.66	1.81	1.77	2.53	3.57	1.79	1.57	1.59	2.15	4.08

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

MEAN	355	481	651	700	793	1083	943	687	500	327	303	327
MAX	1838	1436	1940	1850	2257	3463	2693	1753	3120	1184	1584	1717
(WY)	1977	1971	1997	1996	1984	1994	1993	1998	1972	1989	1915	2004
MIN	55.1	53.4	57.3	83.5	133	287	268	194	148	77.0	60.0	68.0
(WY)	1931	1931	1931	1931	2002	1931	1915	1941	1991	2002	2002	1932

e Estimated.

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	356141		356901			
ANNUAL MEAN	976		975		595	
HIGHEST ANNUAL MEAN					1045	1972
LOWEST ANNUAL MEAN					212	2002
HIGHEST DAILY MEAN	7480	Dec 12	11200	Sep 19	24500	Jun 23 1972
LOWEST DAILY MEAN	e190	Feb 17	290	Oct 14	26	Dec 23 1930
ANNUAL SEVEN-DAY MINIMUM	a247	Feb 12	320	Oct 8	27	Dec 19 1930
MAXIMUM PEAK FLOW			12600	Sep 19	b33700	Jun 23 1972
MAXIMUM PEAK STAGE			11.35	Sep 19	c17.01	Jun 23 1972
INSTANTANEOUS LOW FLOW			275	Oct 14	24	Dec 16 1930
ANNUAL RUNOFF (CFSM)	2.08		2.07		1.27	
ANNUAL RUNOFF (INCHES)	28.19		28.25		17.20	
10 PERCENT EXCEEDS	1990		1670		1270	
50 PERCENT EXCEEDS	712		721		350	
90 PERCENT EXCEEDS	284		383		117	

- a Computed using estimated daily discharges.
- b From rating curve extended above 27,100 ft³/s.
- c From floodmark in gage.
- e Estimated.