

## 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 mi<sup>2</sup>.

**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 8.7 ft<sup>3</sup>/s. Satellite and landline telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 4,000 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)
Jan. 3	0815	6,000	8.00	June 5	1245	5,710	7.79
Mar. 22	0030	*6,590	*8.37	June 8	1745	5,930	7.95
May 17	1630	4,550	6.92				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	1450	377	985	319	619	1190	578	1140	438	278	276
2	141	975	341	3900	321	616	1140	783	998	415	319	352
3	122	704	311	4860	323	863	1080	626	887	433	336	523
4	164	537	272	2430	363	817	984	549	3420	414	300	579
5	125	441	257	1820	463	722	1060	513	5110	385	285	1170
6	111	533	e240	1490	408	1330	1250	597	2570	374	263	632
7	101	766	e230	1290	348	2280	1090	613	2830	373	249	465
8	88	621	e220	1140	332	1400	1150	602	5600	511	241	384
9	82	501	e210	1270	296	1400	1430	790	3940	390	281	338
10	89	424	e205	1380	286	2390	2110	987	2380	364	305	307
11	449	392	e280	1230	297	1500	1930	1200	1780	377	460	281
12	1190	420	1530	1020	274	1160	1890	1120	1450	383	607	264
13	1130	906	1920	872	247	1180	1560	943	1280	339	555	271
14	765	1060	2360	796	e230	2020	1300	821	1180	311	384	313
15	525	794	2750	716	e260	2040	1130	700	1080	294	324	293
16	777	621	2020	614	e250	2340	1020	931	878	294	302	297
17	2150	895	1460	e570	e190	2680	928	4050	772	288	415	271
18	1370	1650	1110	e500	e280	2660	852	2490	734	276	388	251
19	816	1340	922	e470	e350	2250	838	2160	761	272	340	495
20	564	1020	1060	e470	e360	2470	844	1650	1190	284	298	802
21	422	838	1410	e450	e340	5810	775	1370	1520	273	275	749
22	327	868	1160	e400	e450	5070	1110	1200	1220	289	263	534
23	271	995	991	e370	1460	2590	1270	1020	998	352	254	1160
24	233	858	864	e350	2310	1970	988	1370	823	534	242	2050
25	215	709	824	e355	1460	1620	860	2060	712	361	232	1100
26	491	596	805	e360	1020	1410	834	1680	632	310	245	814
27	835	544	703	e330	835	1360	796	1490	574	283	304	670
28	613	508	622	e325	708	1170	696	1810	529	270	276	827
29	469	444	587	e330	---	1050	633	1560	493	259	261	1230
30	821	404	581	321	---	1110	605	1250	463	248	271	787
31	1690	---	578	312	---	1300	---	1080	---	241	281	---
TOTAL	17323	22814	27200	31726	14780	57197	33343	38593	47944	10635	9834	18485
MEAN	559	760	877	1023	528	1845	1111	1245	1598	343	317	616
MAX	2150	1650	2750	4860	2310	5810	2110	4050	5600	534	607	2050
MIN	82	392	205	312	190	616	605	513	463	241	232	251
CFSM	1.19	1.62	1.87	2.18	1.12	3.93	2.36	2.65	3.40	0.73	0.67	1.31
IN.	1.37	1.81	2.15	2.51	1.17	4.53	2.64	3.05	3.79	0.84	0.78	1.46

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

MEAN	351	475	639	699	793	1084	935	687	498	323	295	307
MAX	1838	1436	1940	1850	2257	3463	2693	1753	3120	1184	1584	1684
(WY)	1977	1971	1997	1996	1984	1994	1993	1998	1972	1989	1915	1996
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.

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	137362		329874		590	
ANNUAL MEAN	376		904		1045	
HIGHEST ANNUAL MEAN					212	1972
LOWEST ANNUAL MEAN					212	2002
HIGHEST DAILY MEAN	2750	Dec 15	5810	Mar 21	24500	Jun 23 1972
LOWEST DAILY MEAN	38	Sep 13	82	Oct 9	26	Dec 23 1930
ANNUAL SEVEN-DAY MINIMUM	43	Sep 9	109	Oct 4	27	Dec 19 1930
MAXIMUM PEAK FLOW			6590	Mar 22	<b>a</b> 33700	Jun 23 1972
MAXIMUM PEAK STAGE			8.37	Mar 22	<b>b</b> 17.01	Jun 23 1972
INSTANTANEOUS LOW FLOW			76	Oct 9	24	Dec 16 1930
ANNUAL RUNOFF (CFSM)	0.80		1.92		1.25	
ANNUAL RUNOFF (INCHES)	10.87		26.11		17.05	
10 PERCENT EXCEEDS	879		1900		1260	
50 PERCENT EXCEEDS	210		632		344	
90 PERCENT EXCEEDS	59		264		117	

**a** From rating curve extended above 27,100 ft<sup>3</sup>/s.  
**b** From floodmark in gage.

