

**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>.

**WATER-DISCHARGE RECORDS**

**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 sea level. 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 8.8 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)
June 24	0130	*3,860	*6.33	(No peaks above base discharge.)			

**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	221	122	211	e194	1100	326	1700	355	247	281	98	98
2	187	114	196	e182	1050	311	1320	340	281	263	102	88
3	185	110	177	e172	911	306	1080	325	366	253	104	86
4	171	113	160	e157	702	310	938	310	421	231	103	86
5	159	114	141	e143	596	364	810	298	319	270	155	79
6	153	112	e134	e139	542	363	738	281	266	320	124	77
7	145	112	e125	e135	534	344	740	268	245	253	123	74
8	140	112	153	e131	507	434	696	260	230	231	107	72
9	135	116	e142	e128	484	549	670	254	218	221	97	74
10	135	175	e128	e180	516	604	890	251	200	208	98	72
11	132	295	121	328	572	548	1060	240	189	187	110	73
12	129	298	133	e152	496	491	1150	230	183	175	102	74
13	126	207	121	e131	437	777	1120	223	198	163	130	72
14	123	179	e176	e128	419	1130	960	213	226	153	128	76
15	119	162	167	e144	452	980	841	206	187	144	106	75
16	119	148	205	156	467	837	1230	205	186	139	108	79
17	122	139	1740	158	510	847	1770	195	225	132	102	78
18	176	132	2500	163	506	855	1520	195	250	128	97	75
19	312	129	1350	234	437	740	1190	197	197	126	100	70
20	271	126	907	621	405	642	1010	196	176	122	103	80
21	204	121	e551	e684	e372	694	880	223	173	118	96	85
22	175	118	e454	e458	e346	1800	791	318	650	113	91	75
23	159	e113	e346	e366	326	1680	699	747	3240	110	90	74
24	148	e97	e295	e324	326	1250	617	769	2710	108	89	103
25	140	e91	e268	e300	341	999	561	446	1220	107	87	198
26	134	154	e251	e281	381	836	503	369	799	105	87	123
27	132	216	e241	e263	377	703	461	528	569	102	92	117
28	129	239	e232	e247	354	611	434	443	434	100	97	96
29	123	214	e222	e230	---	561	399	360	374	100	85	89
30	119	219	e215	e290	---	2090	371	308	316	101	85	80
31	118	---	e204	e811	---	2680	---	271	---	101	93	---
TOTAL	4841	4597	12266	8030	14466	25662	27149	9824	15295	5165	3189	2598
MEAN	156	153	396	259	517	828	905	317	510	167	103	86.6
MAX	312	298	2500	811	1100	2680	1770	769	3240	320	155	198
MIN	118	91	121	128	326	306	371	195	173	100	85	70
CFSM	.33	.33	.84	.55	1.10	1.76	1.93	.67	1.08	.35	.22	.18
IN.	.38	.36	.97	.64	1.14	2.03	2.15	.78	1.21	.41	.25	.21

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

MEAN	352	476	643	702	807	1082	939	679	486	326	298	306
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	150	287	268	194	148	98.0	86.5	68.0
(WY)	1931	1931	1931	1931	1931	1931	1915	1941	1991	1930	1932	1932

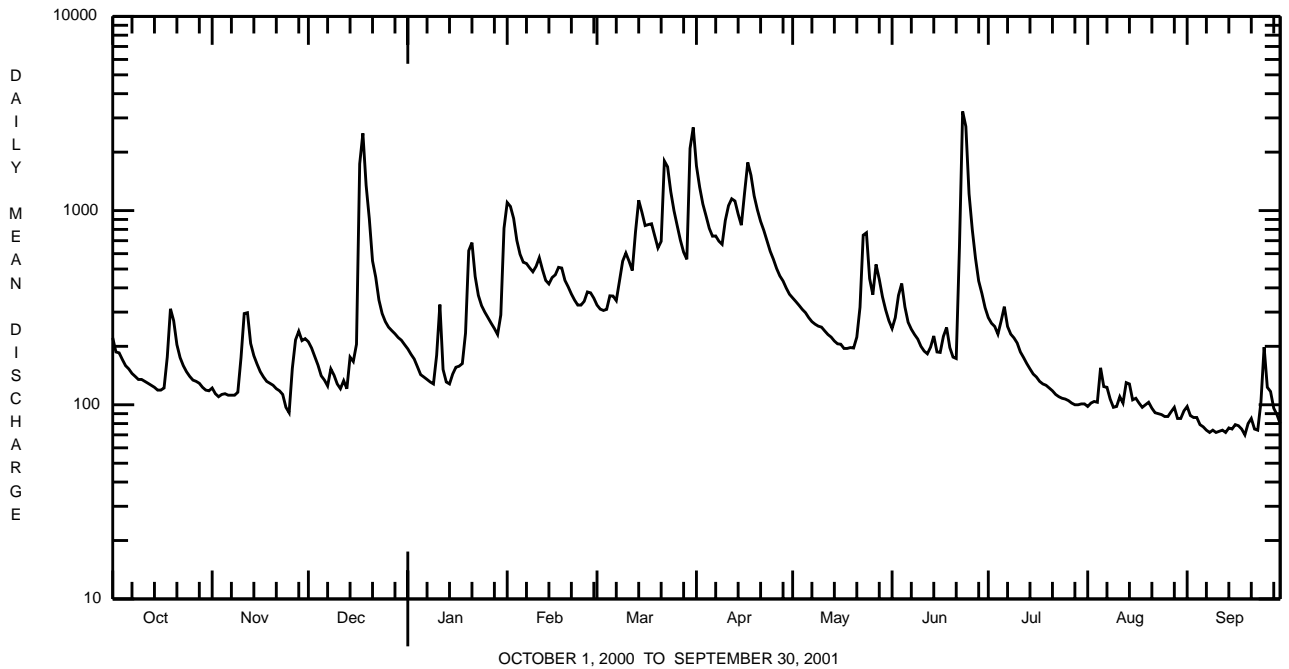
e Estimated.

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	172500		133082			
ANNUAL MEAN	471		365		591	
HIGHEST ANNUAL MEAN					1045	1972
LOWEST ANNUAL MEAN					234	1931
HIGHEST DAILY MEAN	3950	Mar 22	3240	Jun 23	24500	Jun 23 1972
LOWEST DAILY MEAN	e91	Nov 25	70	Sep 19	26	Dec 23 1930
ANNUAL SEVEN-DAY MINIMUM	112	Nov 2	73	Sep 7	27	Dec 19 1930
MAXIMUM PEAK FLOW			3860	Jun 24	a33700	Jun 23 1972
MAXIMUM PEAK STAGE			6.33	Jun 24	b17.01	Jun 23 1972
INSTANTANEOUS LOW FLOW			67	Sep 19	24	Dec 16 1930
ANNUAL RUNOFF (CFSM)	1.00		.78		1.26	
ANNUAL RUNOFF (INCHES)	13.65		10.53		17.07	
10 PERCENT EXCEEDS	1070		839		1260	
50 PERCENT EXCEEDS	279		208		343	
90 PERCENT EXCEEDS	131		97		119	

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





## CONODOGUINET CREEK BASIN

## 01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT 2000										
03...	195	22.7	.1	3.6	24.7	.35	131	260	254	<.020
NOV										
17...	--	--	--	--	--	--	--	--	--	<.041
30...	--	--	--	--	--	--	--	--	--	<.041
DEC										
18...	--	--	--	--	--	--	--	--	--	.119
JAN 2001										
10...	204	31.5	.2	5.4	24.0	.37	268	272	276	E.024
FEB										
16...	--	21.9	E.1	2.4	19.4	--	--	199	--	<.041
MAR										
13...	--	--	--	--	--	--	--	--	--	<.041
22...	--	--	--	--	--	--	--	--	--	.049
MAY										
18...	--	29.1	.2	4.0	23.3	--	--	269	--	.043
JUN										
21...	--	--	--	--	--	--	--	--	--	<.040
JUL										
20...	--	--	--	--	--	--	--	--	--	<.040
AUG										
16...	207	34.8	.2	6.5	25.0	.40	88.8	291	283	E.027
SEP										
19...	194	--	--	--	--	--	--	--	--	<.040
25...	201	--	--	--	--	--	--	--	--	E.022
DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)
OCT 2000										
03...	.21	.22	--	3.9	--	--	3.73	--	<.010	--
NOV										
17...	.34	.50	--	3.4	--	--	3.06	--	E.005	--
30...	.20	.28	--	3.4	3.17	14.0	3.18	.020	.006	--
DEC										
18...	.62	1.3	.15	4.0	3.40	15.0	3.42	.059	.018	.50
JAN 2001										
10...	.20	.28	--	4.6	4.38	19.4	4.41	.118	.036	--
FEB										
16...	.21	.26	--	3.7	3.48	15.4	3.49	.043	.013	--
MAR										
13...	.24	.47	--	3.4	3.16	14.0	3.17	.046	.014	--
22...	.26	1.0	.06	3.0	2.72	12.0	2.74	.049	.015	.21
MAY										
18...	.31	.37	.06	4.3	3.92	17.3	3.94	.076	.023	.27
JUN										
21...	.34	.43	--	3.7	3.32	14.7	3.35	.085	.026	--
JUL										
20...	.24	.32	--	3.5	3.25	14.4	3.27	.066	.020	--
AUG										
16...	.26	.62	--	3.6	3.30	14.6	3.33	.082	.025	--
SEP										
19...	.25	.28	--	4.0	3.69	16.3	3.70	.036	.011	--
25...	.29	.36	--	3.7	3.39	15.0	3.40	.039	.012	--

## CONODOGUINET CREEK BASIN

## 01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (µG/L AS FE) (01046)
OCT 2000							
03...	--	4.0	.031	.017	.010	.023	20
NOV							
17...	--	3.6	--	.008	<.018	.010	--
30...	--	3.5	--	.007	<.018	.011	--
DEC							
18...	1.2	4.7	.077	.044	.025	.199	--
JAN 2001							
10...	--	4.7	--	.013	E.009	.017	M
FEB							
16...	--	3.8	--	.007	<.018	.018	30
MAR							
13...	--	3.6	--	.007	<.018	.045	--
22...	.95	3.7	--	.015	E.009	.162	--
MAY							
18...	.33	4.3	--	.017	<.020	.028	30
JUN							
21...	--	3.8	--	.024	E.013	.040	--
JUL							
20...	--	3.6	--	.009	<.020	.023	--
AUG							
16...	--	4.0	--	.021	E.016	.034	10
SEP							
19...	--	4.0	--	.010	<.020	.012	--
25...	--	3.8	--	.013	<.020	.029	--

DATE	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SAMPLE PURPOSE CODE (71999)	SAMPLER TYPE (CODE) (84164)
OCT 2000						
03...	5.1	--	2	1.1	10.00	3045
NOV						
17...	--	--	1	.38	10.00	3045
30...	--	67	3	1.8	10.00	3045
DEC						
18...	--	96	101	648	10.00	3039
JAN 2001						
10...	16.5	--	6	5.5	10.00	3045
FEB						
16...	18.7	64	4	4.8	10.00	3045
MAR						
13...	--	95	18	37	10.00	3045
22...	--	90	105	576	10.00	3039
MAY						
18...	14.8	--	--	--	10.00	3045
JUN						
21...	--	--	9	4.3	10.00	3045
JUL						
20...	--	--	10	3.5	10.00	3045
AUG						
16...	9.6	--	9	2.8	10.00	3045
SEP						
19...	--	--	6	1.2	10.00	3045
25...	--	--	--	--	10.00	3045