

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.

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 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 7.5 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)
May 19	0230	*2,630	*5.16	(No peaks above base discharge.)			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	64	91	e72	179	87	575	789	470	110	60	69
2	76	67	84	e73	206	89	596	719	405	100	58	68
3	76	68	86	e74	223	203	472	701	316	94	102	61
4	74	69	81	e72	207	284	402	535	265	88	86	57
5	73	68	78	e72	e173	327	348	431	243	84	72	55
6	72	65	74	e73	e145	226	308	368	267	77	70	53
7	71	66	72	e77	147	199	280	337	502	73	61	51
8	70	52	78	e82	160	175	258	316	462	71	55	49
9	68	64	102	e85	138	159	242	393	326	76	55	46
10	67	67	97	e90	134	159	261	678	264	78	55	44
11	66	69	102	e116	147	151	262	572	226	72	53	43
12	69	68	94	e151	148	148	229	453	200	68	51	42
13	69	70	90	197	150	140	213	477	186	70	53	38
14	71	70	99	171	131	140	224	592	243	74	49	40
15	77	69	113	149	123	136	493	582	306	76	47	46
16	74	67	119	144	115	134	719	462	281	71	47	50
17	95	70	122	129	117	137	557	377	233	70	51	49
18	86	69	131	119	113	201	456	1160	206	69	52	47
19	71	70	124	e99	103	345	402	2260	242	68	50	48
20	69	74	126	e93	102	699	382	1300	219	69	52	49
21	64	70	115	e88	99	1890	361	931	186	64	51	49
22	66	71	103	e103	100	1360	482	723	162	64	49	56
23	65	67	97	115	97	858	576	579	145	71	67	174
24	61	69	93	169	95	633	459	487	128	117	69	177
25	61	87	89	279	90	496	386	421	122	70	65	133
26	62	114	87	358	91	479	364	370	114	71	58	99
27	61	114	e83	276	92	1110	320	439	133	80	63	202
28	64	111	e78	217	92	1140	398	738	185	81	61	378
29	64	91	e75	185	---	801	1200	746	129	77	69	361
30	64	85	e72	171	---	633	1030	832	115	69	66	240
31	69	---	e70	174	---	524	---	549	---	64	62	---
TOTAL	2174	2225	2925	4273	3717	14063	13255	20317	7281	2386	1859	2874
MEAN	70.13	74.17	94.35	137.8	132.8	453.6	441.8	655.4	242.7	76.97	59.97	95.80
MAX	95	114	131	358	223	1890	1200	2260	502	117	102	378
MIN	61	52	70	72	90	87	213	316	114	64	47	38
CFSM	0.15	0.16	0.20	0.29	0.28	0.97	0.94	1.39	0.52	0.16	0.13	0.20
IN.	0.17	0.18	0.23	0.34	0.29	1.11	1.05	1.61	0.58	0.19	0.15	0.23

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

MEAN	348.3	470.6	635.4	694.4	797.3	1073	932.3	678.8	482.4	322.5	294.5	303.0
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

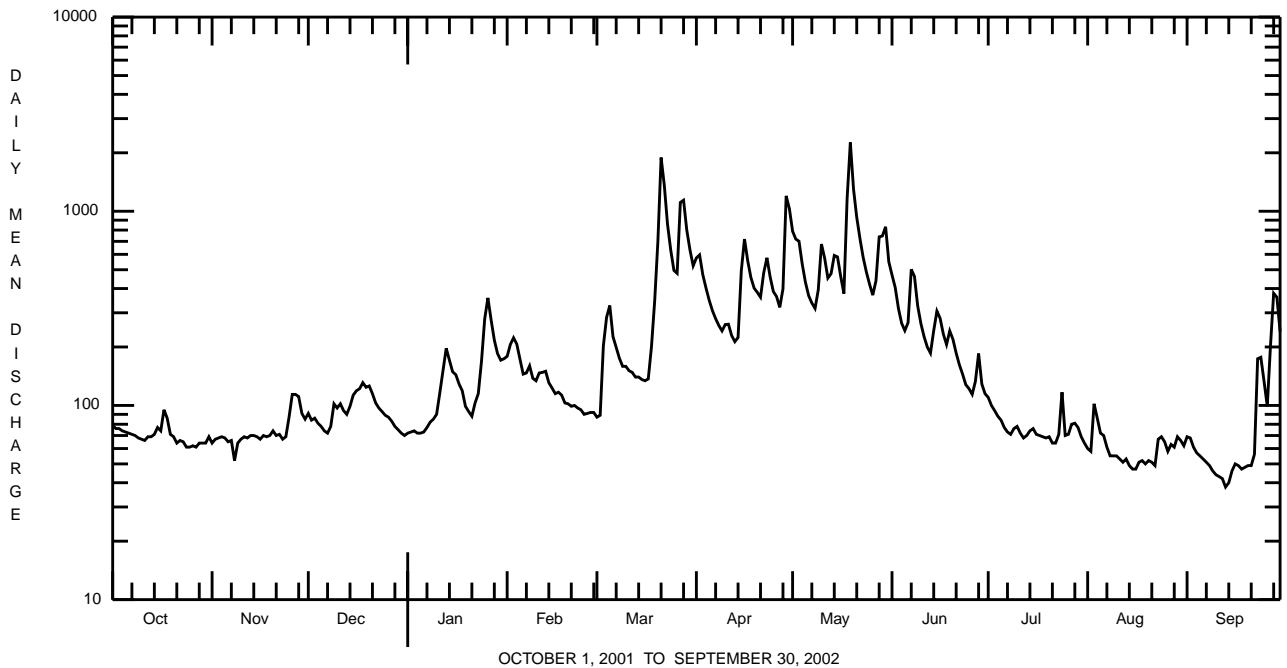
e Estimated.

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	118702		77349			
ANNUAL MEAN	325.2		211.9		585.2	
HIGHEST ANNUAL MEAN					1045	1972
LOWEST ANNUAL MEAN					212	2002
HIGHEST DAILY MEAN	3240	Jun 23	2260	May 19	24500	Jun 23 1972
LOWEST DAILY MEAN	52	Nov 8	38	Sep 13	26	Dec 23 1930
ANNUAL SEVEN-DAY MINIMUM	62	Oct 24	43	Sep 9	27	Dec 19 1930
MAXIMUM PEAK FLOW			2630	May 19	a 33700	Jun 23 1972
MAXIMUM PEAK STAGE			5.16	May 19	b 17.01	Jun 23 1972
INSTANTANEOUS LOW FLOW			31	Dec 31 c	24	Dec 16 1930
ANNUAL RUNOFF (CFSM)	0.69		0.45		1.25	
ANNUAL RUNOFF (INCHES)	9.40		6.12		16.92	
10 PERCENT EXCEEDS	803		498		1250	
50 PERCENT EXCEEDS	163		100		340	
90 PERCENT EXCEEDS	70		58		116	

- a** From rating curve extended above 27,100 ft³/s.
- b** From floodmark in gage.
- c** Result of freeze-up.



CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	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)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (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)
OCT 2001													
23...	--	--	--	--	--	--	--	<.04	.24	.33	--	3.9	3.65
NOV													
23...	.2	.86	28.4	.42	58.6	310	316	<.04	.21	.25	--	4.9	--
26...	.1	2.34	26.9	--	--	296	--	<.04	.24	.27	--	4.6	4.35
DEC													
18...	--	--	--	--	--	--	--	<.04	.21	.19	--	4.0	--
JAN 2002													
23...	--	--	--	--	--	--	--	<.04	.24	.23	--	4.1	3.86
25...	--	--	--	--	--	--	--	E.02	.27	.37	--	4.0	--
FEB													
14...	.2	2.60	27.6	.34	88.4	248	245	<.04	.19	.26	--	4.0	--
MAR													
04...	.2	3.19	27.5	--	--	234	--	<.04	.35	.42	--	3.4	3.06
04...	.2	3.21	27.6	--	--	232	--	E.03	.29	.38	--	3.4	3.10
18...	--	--	--	--	--	--	--	<.04	.19	.33	--	2.8	2.58
21...	E.1	7.04	21.1	--	--	163	--	.06	.37	1.6	.07	2.9	2.57
APR													
15...	--	--	--	--	--	--	--	<.04	.33	.53	--	2.3	1.96
18...	--	--	--	--	--	--	--	<.04	.32	.52	--	2.2	1.86
MAY													
14...	E.1	4.25	18.3	--	--	167	--	<.04	.30	.37	--	2.4	2.09
JUN													
26...	--	--	--	--	--	--	--	E.02	.38	.42	--	2.9	2.50
28...	--	--	--	--	--	--	--	E.04	.33	.44	--	3.2	2.84
28...	--	--	--	--	--	--	--	E.04	.30	.42	--	3.1	2.82
Date	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)	NITRO- GEN, TOTAL ORGANIC (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (MG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (MG/L AS MN) (01056)
OCT 2001													
23...	16.2	3.66	.046	.014	--	--	4.0	--	.008	<.02	.011	--	--
NOV													
23...	--	4.67	--	E.005	--	--	4.9	--	E.004	<.02	.007	E9	E2.6
26...	19.3	4.36	.043	.013	--	--	4.6	--	.006	<.02	.010	14	4.8
DEC													
18...	--	3.75	--	E.006	--	--	3.9	--	.005	<.02	.011	--	--
JAN 2002													
23...	17.1	3.87	.030	.009	--	--	4.1	--	.009	<.02	.014	--	--
25...	--	3.78	--	E.004	--	--	4.1	--	.010	<.02	.025	--	--
FEB													
14...	--	3.76	--	E.007	--	--	4.0	--	.012	<.02	.018	19	9.5
MAR													
04...	13.5	3.07	.043	.013	--	--	3.5	--	.011	<.02	.043	21	22.3
04...	13.7	3.11	.043	.013	--	--	3.5	--	.011	<.02	.034	21	22.0
18...	11.4	2.59	.026	.008	--	--	2.9	--	.013	<.02	.024	--	--
21...	11.4	2.58	.030	.009	.31	1.6	4.2	--	.025	<.02	1.01	34	32.1
APR													
15...	8.66	1.97	.030	.009	--	--	2.5	--	.017	<.02	.045	--	--
18...	8.22	1.87	.033	.010	--	--	2.4	--	.022	E.01	.043	--	--
MAY													
14...	9.24	2.10	.036	.011	--	--	2.5	--	.021	E.01	.040	44	11.4
JUN													
26...	11.1	2.53	.076	.023	--	--	2.9	--	.027	E.01	.045	--	--
28...	12.6	2.87	.082	.025	--	--	3.3	.095	.046	.03	.073	--	--
28...	12.5	2.85	.082	.025	--	--	3.3	.092	.046	.03	.074	--	--

CONODOGUINET CREEK BASIN

01570000 CONODOGUINET CREEK NEAR HOGESTOWN, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	SED. SUSP. SIEVE DIAM. % FINER .062 MM (70331)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	QUALITY ASSUR- ANCE DATA INDICA- TOR CODE (99111)	REP- LICATE TYPE (CODE) (99105)	SAMPLE PURPOSE CODE (71999)	SAMPLER TYPE (CODE) (84164)
OCT 2001							
23...	--	4.3	.81	--	--	10.00	3045
NOV							
23...	--	2.7	.51	--	--	10.00	3045
26...	--	2.2	.71	--	--	10.00	3045
DEC							
18...	--	2.5	.92	--	--	10.00	3045
JAN 2002							
23...	--	6.7	2.0	--	--	10.00	3045
25...	80	18	12.0	--	--	10.00	3045
FEB							
14...	--	11	3.9	--	--	10.00	3045
MAR							
04...	73	22	17.7	30	--	10.00	3045
04...	--	--	--	--	30.00	10.00	3045
18...	--	7.4	3.9	--	--	10.00	3045
21...	89	298	1760	--	--	10.00	3039
APR							
15...	88	30	43.6	--	--	10.00	3045
18...	--	9.1	11.6	--	--	10.00	3045
MAY							
14...	--	15	23.5	--	--	10.00	3045
JUN							
26...	--	7.9	2.4	--	--	10.00	3045
28...	--	20	10.5	30	--	10.00	3045
28...	--	--	--	--	30.00	--	--