

## CONODOGUINET CREEK BASIN

## 01569460 BIG SPRING CREEK AT BIG SPRING, PA

**LOCATION.**--Lat 40°07'46", long 77°24'27", Cumberland County, Hydrologic Unit 02050305, on left bank, 100 ft upstream from bridge on SR 3007, at Big Spring.

**DRAINAGE AREA.**--3.41 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.**--November 2004 to current year.

**GAGE.**--Water-stage recorder and crest-stage gage. Elevation of gage is 510 ft above National Geodetic Vertical Datum of 1929.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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	---	---	39	37	39	37	43	39	35	32	32	26
2	---	---	39	37	39	37	48	39	35	32	31	26
3	---	---	40	37	39	36	51	39	35	32	31	26
4	---	---	40	37	39	36	49	38	34	31	31	26
5	---	---	39	38	39	36	48	38	34	32	31	26
6	---	39	39	38	39	36	47	38	35	32	31	26
7	---	38	39	39	38	36	46	38	35	32	30	27
8	---	38	39	40	38	37	46	38	35	33	30	27
9	---	39	38	40	38	37	46	38	34	32	30	27
10	---	39	39	41	38	37	45	38	34	32	30	27
11	---	39	41	41	38	37	44	38	34	31	30	27
12	---	39	41	40	38	37	44	38	34	32	30	27
13	---	38	41	40	38	37	43	38	34	32	30	28
14	---	38	40	42	38	37	43	38	34	32	30	28
15	---	38	40	43	38	36	43	38	34	32	30	28
16	---	38	39	43	38	36	43	37	34	31	29	27
17	---	39	39	43	37	36	43	37	34	31	29	27
18	---	39	39	43	37	36	43	37	34	31	29	27
19	---	39	39	42	37	36	42	37	33	31	28	28
20	---	39	39	42	37	36	42	37	33	31	28	27
21	---	39	39	41	37	35	42	37	33	31	28	27
22	---	38	38	41	37	35	41	37	33	31	28	27
23	---	38	39	40	37	36	41	37	33	e31	28	27
24	---	38	38	40	37	37	41	36	33	31	28	27
25	---	39	38	40	37	37	40	35	33	31	27	27
26	---	39	38	40	36	36	40	36	33	31	26	27
27	---	38	38	40	36	36	40	36	33	32	26	27
28	---	39	38	39	36	39	39	36	33	32	26	27
29	---	38	38	39	---	47	39	36	33	32	26	27
30	---	39	37	40	---	46	39	36	33	32	26	27
31	---	---	38	39	---	44	---	36	---	32	27	---
TOTAL	---	964	1208	1242	1055	1157	1301	1156	1014	980	896	808
MEAN	---	38.6	39.0	40.1	37.7	37.3	43.4	37.3	33.8	31.6	28.9	26.9
MAX	---	39	41	43	39	47	51	39	35	33	32	28
MIN	---	38	37	37	36	35	39	35	33	31	26	26
CFSM	---	11.3	11.4	11.7	11.0	10.9	12.7	10.9	9.91	9.27	8.48	7.90
IN.	---	10.52	13.18	13.55	11.51	12.62	14.19	12.61	11.06	10.69	9.77	8.81

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

MEAN	---	---	39.0	40.1	37.7	37.3	43.4	37.3	33.8	31.6	28.9	26.9
MAX	---	---	39.0	40.1	37.7	37.3	43.4	37.3	33.8	31.6	28.9	26.9
(WY)	---	---	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	---	---	39.0	40.1	37.7	37.3	43.4	37.3	33.8	31.6	28.9	26.9
(WY)	---	---	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005

e Estimated.

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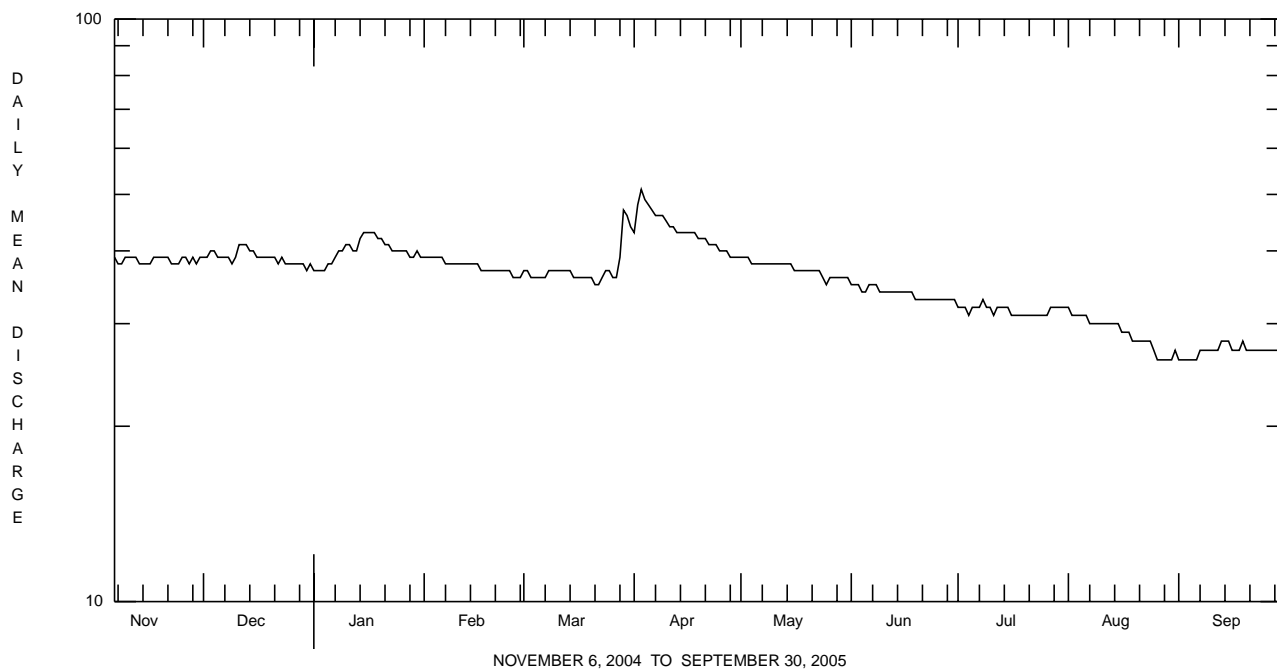
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## SUMMARY STATISTICS

## FOR PERIOD OF DAILY RECORD

HIGHEST DAILY MEAN	51	Apr 3
LOWEST DAILY MEAN	26	Aug 26-30 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	26	Aug 26
MAXIMUM PEAK FLOW	53	Apr 2
MAXIMUM PEAK STAGE	1.40	Apr 2
INSTANTANEOUS LOW FLOW	25	Sep 8

<sup>a</sup> Also Sept. 1-6.



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## WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2004 to current year.

PERIOD OF DAILY RECORD.--

TURBIDITY: November 2004 to current year.

INSTRUMENTATION.--Water-quality monitor since November 2004.

REMARKS.--Turbidity record rated poor. Record is affected by excessive suspended algae in the water, which at times does not reflect the true turbidity. All field observations note turbidity of 2 FNU or less. Interruptions in the record were due to malfunctions of the equipment.

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 nm, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	5.3	0.2	0.8	1.8	0.1	0.5
2	---	---	---	---	---	---	3.1	0.3	0.8	9.9	0.0	0.5
3	---	---	---	---	---	---	4.6	0.1	0.7	1.1	0.1	0.4
4	---	---	---	---	---	---	8.4	0.2	1.0	5.0	0.1	0.5
5	---	---	---	---	---	---	7.7	0.2	1.1	1.4	0.1	0.4
6	---	---	---	---	---	---	---	---	---	4.4	0.0	0.5
7	---	---	---	---	---	---	---	---	---	2.4	0.1	0.4
8	---	---	---	---	---	---	---	---	1.0	7.3	0.1	0.7
9	---	---	---	---	---	---	1.6	0.2	0.6	2.3	0.1	0.4
10	---	---	---	---	---	---	2.8	0.3	0.8	8.9	0.0	0.7
11	---	---	---	---	---	---	1.4	0.2	0.5	5.5	0.0	0.4
12	---	---	---	---	---	---	6.9	0.2	0.7	0.8	0.1	0.3
13	---	---	---	---	---	---	2.0	0.2	0.6	4.0	0.0	0.4
14	---	---	---	---	---	---	1.0	0.2	0.4	6.5	0.2	0.7
15	---	---	---	---	---	---	6.7	0.1	0.5	4.0	0.1	0.5
16	---	---	---	---	---	---	0.7	0.1	0.4	2.9	0.1	0.4
17	---	---	---	---	---	---	0.9	0.1	0.3	2.0	0.1	0.4
18	---	---	---	---	---	---	0.9	0.0	0.3	2.1	0.0	0.3
19	---	---	---	---	---	---	0.9	0.0	0.3	3.4	0.0	0.5
20	---	---	---	---	---	---	0.8	0.0	0.2	2.8	0.0	0.4
21	---	---	---	---	---	---	0.9	0.1	0.3	1.5	0.0	0.2
22	---	---	---	---	---	---	0.9	0.1	0.4	0.9	0.0	0.2
23	---	---	---	5.3	0.3	0.9	1.4	0.0	0.4	1.5	0.0	0.3
24	---	---	---	4.7	0.3	0.9	0.7	0.0	0.2	2.3	0.1	0.4
25	---	---	---	1.1	0.2	0.6	2.9	0.1	0.4	7.3	0.0	0.5
26	---	---	---	1.4	0.2	0.5	---	---	0.4	7.3	0.0	1.2
27	---	---	---	0.9	0.0	0.4	---	---	---	6.0	0.0	0.5
28	---	---	---	2.1	0.1	0.4	5.2	0.1	0.6	9.4	0.0	0.8
29	---	---	---	2.4	0.1	0.4	7.6	0.0	0.7	1.3	0.0	0.3
30	---	---	---	2.6	0.0	0.4	1.1	0.0	0.2	1.9	0.0	0.2
31	---	---	---	---	---	---	2.9	0.0	0.6	0.7	0.0	0.1
MONTH	---	---	---	5.3	0.0	0.6	8.4	0.0	0.5	9.9	0.0	0.5

