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 mi².

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.

			DISCHAI	RGE, CUBIC	FEET PER S		ATER YEAR IEAN VALUI	OCTOBER 20 ES	04 TO SEPT	EMBER 2005		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5		 	39 39 40 40 39	37 37 37 37 38	39 39 39 39 39	37 37 36 36 36	43 48 51 49 48	39 39 39 38 38	35 35 35 34 34	32 32 32 31 32	32 31 31 31 31	26 26 26 26 26
6 7 8 9 10	 	39 38 38 39 39	39 39 39 38 39	38 39 40 40 41	39 38 38 38 38	36 36 37 37 37	47 46 46 46 45	38 38 38 38 38	35 35 35 34 34	32 32 33 32 32	31 30 30 30 30	26 27 27 27 27
11 12 13 14 15	 	39 39 38 38 38	41 41 41 40 40	41 40 40 42 43	38 38 38 38 38	37 37 37 37 36	44 44 43 43	38 38 38 38 38	34 34 34 34 34	31 32 32 32 32	30 30 30 30 30	27 27 28 28 28
16 17 18 19 20		38 39 39 39	39 39 39 39 39	43 43 43 42 42	38 37 37 37 37	36 36 36 36 36	43 43 43 42 42	37 37 37 37 37	34 34 34 33 33	31 31 31 31 31	29 29 29 28 28	27 27 27 28 27
21 22 23 24 25		39 38 38 38 39	39 38 39 38 38	41 41 40 40	37 37 37 37 37	35 35 36 37 37	42 41 41 41 40	37 37 37 36 35	33 33 33 33 33	31 31 e31 31 31	28 28 28 28 27	27 27 27 27 27
26 27 28 29 30 31	 	39 38 39 38 39	38 38 38 38 37 38	40 40 39 39 40 39	36 36 36 	36 36 39 47 46 44	40 40 39 39 39	36 36 36 36 36 36	33 33 33 33 	31 32 32 32 32 32 32	26 26 26 26 26 27	27 27 27 27 27
TOTAL MEAN MAX MIN CFSM IN.		964 38.6 39 38 11.3 10.52	1208 39.0 41 37 11.4 13.18	1242 40.1 43 37 11.7 13.55	1055 37.7 39 36 11.0 11.51	1157 37.3 47 35 10.9 12.62	1301 43.4 51 39 12.7 14.19	1156 37.3 39 35 10.9 12.61	1014 33.8 35 33 9.91 11.06	980 31.6 33 31 9.27 10.69	896 28.9 32 26 8.48 9.77	808 26.9 28 26 7.90 8.81
STATISTI	CS OF M	ONTHLY ME	AN DATA E	OR PERIOR	OF DAILY	RECORD,	BY WATER	YEAR (WY)				
MEAN MAX (WY) MIN (WY)	 	 	39.0 39.0 2005 39.0 2005	40.1 40.1 2005 40.1 2005	37.7 37.7 2005 37.7 2005	37.3 37.3 2005 37.3 2005	43.4 43.4 2005 43.4 2005	37.3 37.3 2005 37.3 2005	33.8 33.8 2005 33.8 2005	31.6 31.6 2005 31.6 2005	28.9 28.9 2005 28.9 2005	26.9 26.9 2005 26.9 2005

e Estimated.

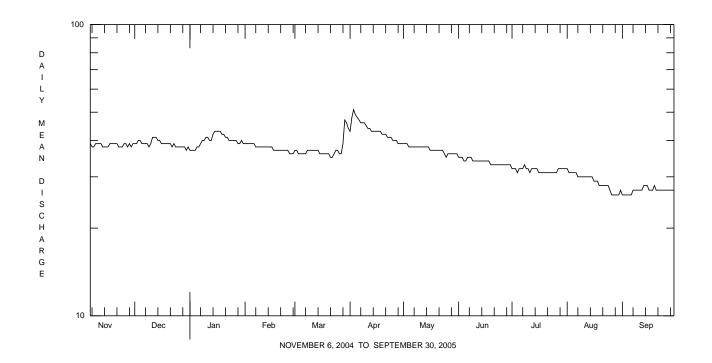
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SUMMARY STATISTICS

FOR PERIOD OF DAILY RECORD

HIGHEST DAILY MEAN	51	Apr 3
LOWEST DAILY MEAN	26	Aug 26-30 a
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

a Also Sept. 1-6.



01569460 BIG SPRING CREEK AT BIG SPRING, PA--Continued

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			D	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	

01569460 BIG SPRING CREEK AT BIG SPRING, PA--Continued

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
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	3.3 2.0 0.8 3.6 0.7	0.0 0.0 0.0 0.0	0.1	8.7 7.4 	0.0 0.1 		4.8 46 2.2 1.4 1.1	0.0 0.0 0.0 0.0	0.3 6.7 0.2 0.1	4.9 8.4 9.4 8.2 0.4	0.0 0.0 0.0 0.0	0.3 0.5 0.6 0.5
6 7 8 9 10	1.0 1.2 0.3 0.4 1.6	0.0 0.0 0.0 0.0	0.1 0.1 0.1 0.1 0.2	 5.5	 0.0	 0.3	7.4 5.2 3.0 4.9 3.6	0.0 0.0 0.0 0.0	0.6 0.3 0.2 0.4 0.2	0.1 0.7 8.3 8.3 4.9	0.0 0.0 0.0 0.0	0.0 0.1 0.4 0.2
11 12 13 14 15	1.2 0.7 3.7 1.3 0.7	0.0 0.0 0.0 0.0	0.1 0.1 0.2 0.2	8.7 0.8 0.9 6.0 8.7	0.0 0.0 0.0 0.0	0.4 0.1 0.1 0.3 0.3	6.5 6.4 0.4 3.3 0.4	0.0 0.0 0.0 0.0	0.3 0.3 0.1 0.2 0.1	4.4 7.6 0.4 3.6 0.7	0.0 0.0 0.0 0.0	0.2 0.3 0.1 0.1 0.0
16 17 18 19 20	1.0 0.5 1.2 0.6 4.8	0.0 0.0 0.0 0.0	0.2 0.1 0.1 0.1 0.4	4.2 7.6 9.6 3.9 8.2	0.0 0.0 0.0 0.0	0.2 0.7 0.5 0.3	5.1 1.7 8.7	0.0 0.0 0.0	0.4 0.2		0.0 0.0 0.0 0.0	0.0 0.1 0.0 0.0
21 22 23 24 25	0.8 4.0 1.5 4.5	0.0 0.0 0.0 0.0	0.1 0.2 0.1 0.4 0.3	8.2 9.5 9.5 1.3	0.0 0.0 0.0 0.0	0.2 0.5 0.9 0.2	7.9 8.9 6.5 7.8 6.3	0.0 0.0 0.0 0.0	1.4 1.1 0.5 0.7 0.6	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
26 27 28 29 30 31	3.9 7.3 5.4 	0.0 0.0 0.0 	0.5 0.6 0.5 	4.2 4.2 4.1 2.1 8.6 5.2	0.0 0.0 0.0 0.0 0.0	0.2 0.1 0.3 0.2 0.6 0.4	8.5 7.4 4.2 4.9 6.9	0.0 0.0 0.0 0.0 0.0	0.3 0.8 0.5 0.4 0.7	0.0 0.0 0.0 0.0 0.0 9.9	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
MONTH	7.3	0.0		9.6	0.0		46	0.0	0.7	9.9	0.0	0.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN JUNE	MEAN		JULY			AUGUST		5	SEPTEMBE	
DAY 1 2 3 4 5	MAX 8.8 0.0 0.0					2.0		AUGUST	0.5 0.5 0.7 0.4 0.3	5	SEPTEMBE	
1 2 3 4	 8.8 0.0	JUNE 0.0 0.0	1.4 0.2 0.0		JULY	2.0 0.5 0.3 0.2	8.2 2.4	0.0 0.0 0.0 0.0 0.0		3.0 9.6 1.1 9.6	0.2 0.2 0.2 0.1 0.2	0.5 0.8 0.5 0.7
1 2 3 4 5 6 7 8 9	8.8 0.0 0.0 44 5.6 2.7 2.4	JUNE 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.4 0.2 0.0 0.0 0.0 2.4 0.3 0.2 0.1	10 6.9 3.5 6.1 6.7	JULY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.0 0.5 0.3 0.2 0.2 1.4 0.5 0.2	8.2 2.4 3.4 1.9	0.0 0.0 0.0 0.0 0.0	0.5 0.5 0.7 0.4 0.3 0.7 1.0 0.7	3.0 9.6 1.1 9.6	0.2 0.2 0.1 0.2 0.1 0.2 0.1 0.1 0.2 0.3	0.5 0.8 0.5 0.7 0.7 0.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14	 8.8 0.0 0.0 0.0 44 5.6 2.7 2.4 7.1 9.6 7.8 7.9 8.3	JUNE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.4 0.2 0.0 0.0 0.0 2.4 0.3 0.2 0.1 0.3	10 6.9 3.5 6.1 6.7 3.7 46 13 5.7 1.4 6.2 5.4 5.6	JULY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.0 0.5 0.3 0.2 0.2 0.2 1.4 0.5 0.2 0.1	8.2 2.4 3.4 1.9 6.8 9.1 5.6 5.0 9.6 6.7 1.3 1.6 8.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.5 0.5 0.7 0.4 0.3 0.7 1.0 0.7 1.8 1.1 0.6 0.6	3.0 9.6 1.1 9.6 10 3.8 4.1 4.5 7.8 3.8 9.5 1.6 3.3	0.2 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.3 0.3 0.3	0.5 0.8 0.5 0.7 0.7 0.7 0.5 0.7 0.8 1.0 1.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 8.8 0.0 0.0 0.0 44 5.6 2.7 2.4 7.1 9.6 7.8 7.9 8.3 4.9 8.1 7.7 7.7	JUNE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.4 0.2 0.0 0.0 0.0 2.4 0.3 0.2 0.1 0.3 0.5 0.5 0.7 0.3 0.3	10 6.9 3.5 6.1 6.7 3.7 46 13 5.7 1.4 6.2 5.4 5.6 19 3.4	JULY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.0 0.5 0.3 0.2 0.2 0.2 1.4 0.5 0.2 0.1 0.2 0.3 0.6 0.2	8.2 2.4 3.4 1.9 6.8 9.1 5.6 5.0 9.6 6.7 1.3 1.6 8.0 7.8 2.4 2.6 2.6 1.2	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.2 0.3 0.0 0.1	0.5 0.5 0.7 0.4 0.3 0.7 1.0 0.7 1.8 1.1 0.6 0.6 0.6 0.6	3.0 9.6 1.1 9.6 10 3.8 3.8 4.1 4.5 7.8 3.8 9.5 1.6 3.3 2.9 9.7 7.7 3.6 3.6	0.2 0.2 0.1 0.2 0.1 0.2 0.1 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3	0.5 0.8 0.5 0.7 0.7 0.7 0.5 0.7 0.8 1.0 0.9 1.1 0.8 0.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	 8.8 0.0 0.0 14 5.6 2.7 2.4 7.1 9.6 7.8 7.9 8.3 4.9 8.1 7.7 7.7 4.8 1.5 1.2 7.5 2.5 9.0	JUNE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.4 0.2 0.0 0.0 0.0 2.4 0.3 0.2 0.1 0.3 0.5 0.5 0.7 0.3 0.3 0.7	10 6.9 3.5 6.1 6.7 3.7 46 13 5.7 1.4 6.2 5.4 5.6 19 3.4 4.7 4.2 1.4 0.3 0.4 0.4 3.0 5.7 0.3	JULY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	2.0 0.5 0.3 0.2 0.2 0.2 1.4 0.5 0.2 0.1 0.2 0.3 0.6 0.2	8.2 2.4 3.4 1.9 6.8 9.1 5.0 9.6 6.7 1.3 1.6 8.0 7.8 2.4 2.6 2.6 1.2 1.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.2 0.3 0.0 0.1	0.5 0.5 0.7 0.4 0.3 0.7 1.0 0.7 1.8 1.1 0.6 0.6 0.6 0.6 0.6	3.0 9.6 1.1 9.6 10 3.8 3.8 4.1 4.5 7.8 3.8 9.5 1.6 3.3 2.9 9.7 7.7 3.6 3.6 5.8	0.2 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.5 0.8 0.7 0.7 0.7 0.7 0.5 0.7 0.8 1.0 0.8 0.7 1.1 0.8 0.7 0.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	 8.8 0.0 0.0 44 5.6 2.7 2.4 7.1 9.6 8.3 4.9 8.1 7.7 7.8 8.3 1.5 1.2 7.5 9.9 9.9 5.7 9.0 9.9	JUNE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.4 0.2 0.0 0.0 0.0 2.4 0.3 0.2 0.1 0.3 0.5 0.5 0.7 0.3 0.3 0.7 0.6 1.1 0.3 0.1	10 6.9 3.5 6.1 6.7 3.7 46 13 5.7 1.4 6.2 5.4 5.6 19 3.4 4.7 4.2 1.4 0.3 0.4 0.4 3.0 5.7 0.3 0.4	JULY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.0 0.5 0.3 0.2 0.2 1.4 0.5 0.2 0.1 0.2 0.3 0.6 0.2 0.2 0.1 0.0 0.1 0.0 0.1 0.1 0.1 0.1	8.2 2.4 	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.2 0.3 0.0 0.1 0.1 0.1 0.2 0.2 0.2 0.2	0.5 0.5 0.7 0.4 0.3 0.7 1.0 0.7 1.8 1.1 0.6 0.6 0.6 0.6 0.6 0.5 0.5 0.7	3.0 9.6 1.1 9.6 10 3.8 4.1 4.5 7.8 3.8 9.5 1.6 3.3 2.9 9.7 7.7 3.6 5.8 8.2 9.4 9.5 7.5 3.3 2.9 6.8 10 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	0.2 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.2 0.2 0.2	0.5 0.8 0.7 0.7 0.7 0.7 0.8 1.0 0.9 1.1 0.8 0.7 0.7 0.7 0.7 0.7