

BRODHEAD CREEK BASIN

01440400 BRODHEAD CREEK NEAR ANALOMINK, PA

LOCATION.--Lat 41°05'05", long 75°12'54", Monroe County, Hydrologic Unit 02040104, on left bank, along State Highway 447, 1.5 mi upstream from Paradise Creek, 1.6 mi southeast of Henryville, and 2.3 mi north of Analomink.

DRAINAGE AREA.--65.9 mi².

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 586.50 ft above sea level. Prior to Dec. 12, 1957, nonrecording gage at same site and datum.

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.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 24	1500	1,550	5.06	Sept. 16	2100	*2,810	*6.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	14	27	e20	169	216	174	85	63	17	6.9	6.1
2	8.2	14	26	e24	353	187	183	79	59	18	6.5	5.9
3	8.4	13	24	e34	466	164	165	76	56	17	5.9	5.7
4	10	13	23	e40	381	602	153	77	52	15	5.7	5.5
5	10	12	22	e35	327	410	139	76	47	14	5.7	5.5
6	9.4	13	23	e29	277	322	126	72	44	13	5.7	9.0
7	9.2	13	22	e28	246	277	119	73	42	12	5.3	12
8	22	16	22	e25	226	e220	111	91	41	11	5.5	22
9	29	18	25	e28	195	199	129	91	37	11	6.0	23
10	51	16	23	e32	179	182	157	78	35	12	5.6	40
11	31	33	22	e43	167	165	130	70	34	12	5.7	21
12	23	31	20	e45	181	149	142	64	32	11	5.4	15
13	18	22	19	e45	260	136	125	59	31	11	5.1	12
14	42	19	21	e40	205	132	112	55	34	11	21	11
15	34	19	19	e38	177	140	103	53	42	11	14	12
16	24	18	17	e37	170	129	110	57	34	9.9	9.7	778
17	20	17	19	e41	171	141	132	51	31	9.3	7.9	833
18	18	16	18	e70	208	168	115	48	38	9.1	7.0	307
19	17	16	18	e300	211	159	105	80	32	8.7	6.7	170
20	16	16	17	266	186	141	107	116	28	8.7	7.3	118
21	16	17	17	213	165	148	107	79	27	8.4	10	106
22	16	16	19	227	147	600	101	65	25	9.1	9.3	105
23	15	16	e21	266	e130	416	114	75	23	9.7	8.5	87
24	15	15	e18	1060	124	351	149	161	22	8.5	7.5	71
25	14	15	e16	890	117	311	120	188	21	7.8	7.1	62
26	14	41	e16	565	114	269	121	135	20	7.1	11	54
27	14	50	e15	410	108	240	108	113	19	6.9	12	48
28	14	36	16	318	136	244	98	96	19	6.7	9.7	45
29	16	31	17	281	---	230	93	88	19	7.0	8.0	45
30	15	28	e16	229	---	206	88	77	18	7.2	7.0	188
31	15	---	e17	190	---	185	---	69	---	7.0	6.5	---
TOTAL	572.8	614	615	5869	5796	7439	3736	2597	1025	327.1	245.2	3222.7
MEAN	18.5	20.5	19.8	189	207	240	125	83.8	34.2	10.6	7.91	107
MAX	51	50	27	1060	466	602	183	188	63	18	21	833
MIN	8.2	12	15	20	108	129	88	48	18	6.7	5.1	5.5
CFSM	.28	.31	.30	2.87	3.14	3.64	1.89	1.27	.52	.16	.12	1.63
IN.	.32	.35	.35	3.31	3.27	4.20	2.11	1.47	.58	.18	.14	1.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1999, BY WATER YEAR (WY)

MEAN	71.6	127	170	157	164	249	255	181	104	58.9	40.8	54.0
MAX	237	336	508	559	371	537	596	440	474	380	159	464
(WY)	1977	1973	1997	1996	1981	1977	1983	1989	1972	1969	1973	1987
MIN	8.36	10.2	19.8	15.1	41.8	92.7	84.0	62.3	23.2	10.6	7.91	7.56
(WY)	1964	1965	1999	1981	1980	1989	1985	1962	1962	1999	1999	1964

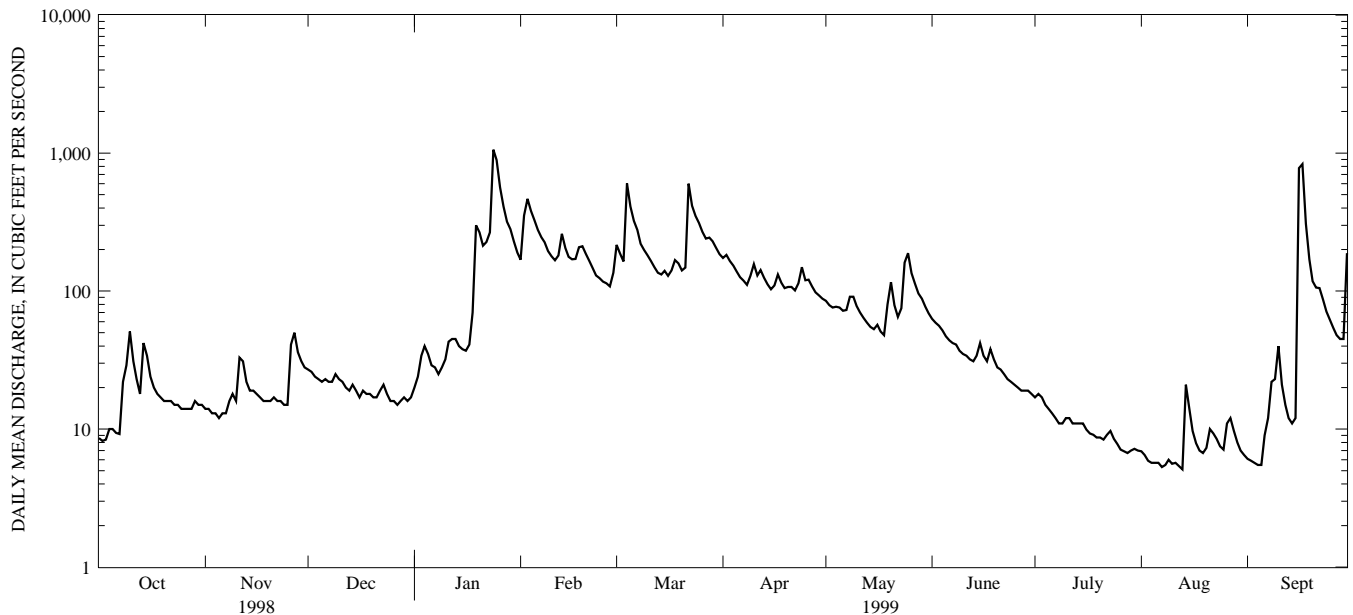
e Estimated.

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01440400 BRODHEAD CREEK NEAR ANALOMINK, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1958 - 1999	
ANNUAL TOTAL	48026.2		32058.8		136	
ANNUAL MEAN	132		87.8		213	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					59.6	
HIGHEST DAILY MEAN	1380	Mar 10	1060	Jan 24	6070	Jul 28 1969
LOWEST DAILY MEAN	8.2	Oct 2	5.1	Aug 13	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 27	5.5	Aug 7	5.5	Aug 7 1999
INSTANTANEOUS PEAK FLOW			2810	Sep 16	a12900	Jul 28 1969
INSTANTANEOUS PEAK STAGE			6.40	Sep 16	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW			4.9	Aug 7 ^b	4.9	Aug 7 1999 ^b
ANNUAL RUNOFF (CFSM)	2.00		1.33		2.06	
ANNUAL RUNOFF (INCHES)	27.11		18.10		27.99	
10 PERCENT EXCEEDS	315		214		294	
50 PERCENT EXCEEDS	51		32		84	
90 PERCENT EXCEEDS	12		8.4		16	

a From rating curve extended above 1,400 ft³/s on basis of slope-area measurement of peak flow.
b Also Aug. 8, 12, 13, Sept. 5, 1999.



1-YEAR HYDROGRAPH
 OCTOBER 1, 1998 TO SEPTEMBER 30, 1999