

## 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 mi<sup>2</sup>.

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

**GAGE.**--Water-stage recorder. Datum of gage is 586.50 ft above National Geodetic Vertical Datum of 1929. 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 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)
Oct. 12	0215	1,700	5.24	June 21	2130	*2,660	*6.26
Mar. 21	0030	2,050	5.65	Sept. 23	1115	2,360	5.97
June 1	1045	1,360	4.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	129	148	255	68	104	393	97	946	148	38	65
2	31	122	132	571	67	127	407	95	686	128	130	164
3	27	112	120	399	65	140	375	89	459	115	91	163
4	30	104	e100	336	91	131	328	82	437	103	221	167
5	39	98	108	280	96	116	325	79	367	95	411	116
6	36	162	109	251	e78	138	297	80	298	84	381	84
7	30	142	101	226	75	130	266	79	422	78	241	69
8	27	119	97	209	e68	119	252	81	514	77	213	61
9	25	108	89	206	e70	122	239	87	395	72	156	54
10	26	102	e84	202	63	115	248	81	324	70	210	49
11	556	107	107	176	e60	110	260	78	275	77	197	46
12	1210	128	310	155	e56	105	259	82	282	75	246	42
13	634	191	240	145	e54	108	227	75	390	64	175	47
14	382	151	428	135	e50	107	203	71	323	56	141	60
15	246	136	419	126	e52	110	188	67	320	52	116	291
16	474	159	345	e120	e44	163	176	64	260	49	101	273
17	645	572	278	e110	e60	365	161	62	224	46	93	174
18	402	592	231	e110	e140	672	152	59	244	44	84	130
19	295	430	211	e100	e86	720	147	55	227	49	76	154
20	243	347	358	e100	e72	739	138	52	256	41	70	141
21	194	304	390	e95	e66	1530	129	66	1180	40	63	114
22	162	316	318	e93	93	1230	130	66	1860	140	60	99
23	144	310	274	e88	202	909	123	62	1090	99	55	1150
24	127	255	239	e87	171	680	114	87	704	97	50	713
25	118	224	241	e81	141	548	104	97	482	66	47	458
26	270	201	234	e80	e120	455	127	226	350	52	44	327
27	230	197	197	e80	e110	400	141	238	277	45	44	274
28	180	175	180	e75	109	332	116	181	229	53	41	573
29	156	162	168	e72	---	497	107	153	196	46	40	455
30	149	154	155	e69	---	e600	102	133	168	39	43	320
31	142	---	154	68	---	470	---	138	---	36	42	---
TOTAL	7265	6309	6565	5100	2427	12092	6234	2962	14185	2236	3920	6833
MEAN	234	210	212	165	86.7	390	208	95.5	473	72.1	126	228
MAX	1210	592	428	571	202	1530	407	238	1860	148	411	1150
MIN	25	98	84	68	44	104	102	52	168	36	38	42
CFSM	3.56	3.19	3.21	2.50	1.32	5.92	3.15	1.45	7.18	1.09	1.92	3.46
IN.	4.10	3.56	3.71	2.88	1.37	6.83	3.52	1.67	8.01	1.26	2.21	3.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	73.7	124	169	152	158	250	249	179	115	58.3	42.6	56.3
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	51558.6		76128		135	
ANNUAL MEAN	141		209		213	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					59.6	
HIGHEST DAILY MEAN	1210	Oct 12	1860	Jun 22	6070	Jul 28 1969
LOWEST DAILY MEAN	9.8	Sep 14	25	Oct 9	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	10	Sep 8	30	Oct 4	5.5	Aug 7 1999
MAXIMUM PEAK FLOW			a2660	Jun 21	a12900	Jul 28 1969
MAXIMUM PEAK STAGE			6.26	Jun 21	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW					4.9	Aug 7 1999 <sup>b</sup>
ANNUAL RUNOFF (CFSM)	2.14		3.16		2.05	
ANNUAL RUNOFF (INCHES)	29.10		42.97		27.92	
10 PERCENT EXCEEDS	312		429		293	
50 PERCENT EXCEEDS	104		132		84	
90 PERCENT EXCEEDS	18		52		17	

<sup>a</sup> From rating curve extended above 1,400 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.  
<sup>b</sup> Also Aug. 8, 12, 13, Sept. 5, 1999.

