

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 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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
May 28	1945	*1,720	*5.27	No other peak greater than 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	e36	19	163	e54	98	54	234	280	368	62	21	16
2	e32	19	117	e52	115	52	197	307	261	57	21	18
3	29	19	93	e50	96	191	183	286	210	52	35	16
4	27	19	80	47	90	158	177	232	180	e47	24	15
5	24	19	71	47	e80	124	155	205	162	e44	22	13
6	24	19	66	47	77	111	143	185	216	41	21	12
7	24	20	63	54	76	105	132	171	672	39	19	12
8	22	19	59	50	74	98	123	157	392	36	18	11
9	21	18	73	48	71	95	119	158	297	35	17	10
10	21	18	69	48	70	150	121	193	239	34	16	10
11	20	17	64	52	129	128	109	156	201	31	16	10
12	20	17	63	54	100	112	101	219	173	30	15	9.9
13	20	17	67	51	89	108	102	461	159	29	14	9.9
14	20	17	83	48	80	105	118	655	241	29	13	9.8
15	43	17	109	46	77	99	258	435	281	29	13	19
16	37	17	92	46	76	100	201	333	236	27	13	127
17	33	16	91	45	76	92	175	279	183	25	e12	52
18	30	17	133	43	71	97	153	561	151	25	e12	33
19	28	17	125	41	67	99	142	466	134	25	e12	26
20	26	17	111	44	66	130	154	357	126	e24	12	22
21	24	18	105	43	76	176	147	303	111	e23	12	19
22	22	17	91	42	72	193	140	258	99	23	12	20
23	22	17	85	41	67	156	132	223	89	42	13	19
24	22	17	93	47	62	144	117	198	82	61	15	17
25	21	27	85	63	59	143	127	173	76	37	17	16
26	21	63	77	58	58	156	151	157	91	30	14	16
27	21	45	74	58	61	473	124	146	122	28	13	40
28	20	38	66	62	58	336	315	506	104	28	12	104
29	20	37	63	70	---	283	401	790	80	e26	25	56
30	20	62	59	80	---	252	306	427	68	e25	26	43
31	19	---	e58	85	---	220	---	344	---	22	18	---
TOTAL	769	699	2648	1616	2191	4740	5057	9621	5804	1066	523	801.6
MEAN	24.81	23.30	85.42	52.13	78.25	152.9	168.6	310.4	193.5	34.39	16.87	26.72
MAX	43	63	163	85	129	473	401	790	672	62	35	127
MIN	19	16	58	41	58	52	101	146	68	22	12	9.8
CFSM	0.38	0.35	1.30	0.79	1.19	2.32	2.56	4.71	2.94	0.52	0.26	0.41
IN.	0.43	0.39	1.49	0.91	1.24	2.68	2.85	5.43	3.28	0.60	0.30	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

MEAN	70.15	122.0	168.2	151.6	159.2	246.9	250.3	180.7	107.3	57.97	40.75	52.53
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.

BRODHEAD CREEK BASIN

01440400 BRODHEAD CREEK NEAR ANALOMINK, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	32993		35535.6			
ANNUAL MEAN	90.4		97.4		134	
HIGHEST ANNUAL MEAN					213	1973
LOWEST ANNUAL MEAN					59.6	1965
HIGHEST DAILY MEAN	774	Mar 30	790	May 29	6070	Jul 28 1969
LOWEST DAILY MEAN	10	Sep 18,19	9.8	Sep 14	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	12	Sep 13	10	Sep 8	5.5	Aug 7 1999
MAXIMUM PEAK FLOW			1720	May 28	a12900	Jul 28 1969
MAXIMUM PEAK STAGE			5.27	May 28	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW					4.9	Aug 7 1999 ^b
ANNUAL RUNOFF (CFSM)	1.37		1.48		2.03	
ANNUAL RUNOFF (INCHES)	18.62		20.06		27.58	
10 PERCENT EXCEEDS	211		227		290	
50 PERCENT EXCEEDS	63		61		84	
90 PERCENT EXCEEDS	17		17		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.

