

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)
Feb. 28	1830	*766	*3.90				

(No peaks above base discharge.)

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	57	128	89	e62	465	133	123	100	74	223	33
2	108	81	114	87	e59	397	128	120	90	64	208	33
3	96	245	110	88	e60	336	128	109	83	59	175	34
4	194	160	108	90	e56	291	179	101	75	58	165	49
5	181	135	103	95	e52	268	164	96	80	55	121	37
6	143	122	116	81	e50	252	140	91	226	50	105	31
7	121	112	113	77	e49	233	126	86	282	48	162	28
8	104	103	96	73	e49	235	124	83	196	44	121	27
9	100	97	89	71	e48	232	180	77	147	42	95	25
10	137	93	88	134	e47	214	166	93	121	40	84	25
11	136	88	88	232	e47	256	166	176	113	34	88	25
12	103	79	81	165	e46	572	161	133	260	31	91	25
13	92	76	77	144	e44	403	150	125	346	30	86	45
14	112	73	103	e120	93	316	142	169	263	29	79	36
15	96	71	174	e100	114	274	137	134	236	36	71	41
16	86	67	158	e90	91	244	133	113	206	100	62	39
17	86	63	136	e84	83	408	132	103	171	115	55	32
18	86	59	123	e80	80	323	180	102	158	69	52	27
19	76	58	114	e84	87	273	157	145	150	53	51	27
20	92	57	135	e80	76	244	144	162	128	47	50	35
21	89	60	249	e78	71	219	210	172	115	40	44	30
22	84	58	193	e78	70	200	345	159	178	46	40	26
23	93	56	165	e76	76	182	277	172	129	42	41	24
24	83	57	151	e72	89	167	245	280	104	37	58	25
25	74	63	e130	e71	132	154	212	248	92	34	49	24
26	70	85	129	e66	186	145	190	200	91	34	41	24
27	68	309	122	e64	221	135	174	166	94	148	38	27
28	63	216	112	e62	668	232	163	150	91	116	36	e24
29	61	166	106	e62	590	195	150	134	87	76	36	e23
30	59	144	100	e67	---	162	137	121	87	111	35	e22
31	56	---	95	e64	---	145	---	109	---	153	34	---
TOTAL	3088	3110	3806	2824	3396	8172	5073	4252	4499	1915	2596	903
MEAN	99.6	104	123	91.1	117	264	169	137	150	61.8	83.7	30.1
MAX	194	309	249	232	668	572	345	280	346	153	223	49
MIN	56	56	77	62	44	135	124	77	75	29	34	22
CFSM	1.51	1.57	1.86	1.38	1.78	4.00	2.57	2.08	2.28	.94	1.27	.46
IN.	1.74	1.76	2.15	1.59	1.92	4.61	2.86	2.40	2.54	1.08	1.47	.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	72.3	126	169	156	163	249	253	180	105	59.0	41.8	53.5
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	1999	1999	1999	1964

e Estimated.

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	40261.0		43634			
ANNUAL MEAN	110		119		135	
HIGHEST ANNUAL MEAN					213	1973
LOWEST ANNUAL MEAN					59.6	1965
HIGHEST DAILY MEAN	1060	Jan 24	668	Feb 28	6070	Jul 28 1969
LOWEST DAILY MEAN	5.1	Aug 13	e22	Sep 30	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	5.5	Aug 7	a24	Sep 24	5.5	Aug 7 1999
INSTANTANEOUS PEAK FLOW			766	Feb 28	b12900	Jul 28 1969
INSTANTANEOUS PEAK STAGE			3.90	Feb 28	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW					4.9	Aug 7 1999c
ANNUAL RUNOFF (CFSM)	1.67		1.81		2.05	
ANNUAL RUNOFF (INCHES)	22.73		24.63		27.91	
10 PERCENT EXCEEDS	226		228		292	
50 PERCENT EXCEEDS	86		96		85	
90 PERCENT EXCEEDS	8.5		37		16	

- a Computed using estimated daily discharges.
- b From rating curve extended above 1,400 ft³/s on basis of slope-area measurement of peak flow.
- c Also Aug. 8, 12, 13, Sept. 5, 1999.
- e Estimated.

