



2005 Water Year
BRODHEAD CREEK BASIN
01440400 Brodhead Creek near Analomink, PA

Latitude: 41° 05 ' 05"

Longitude: 075° 12 ' 54"

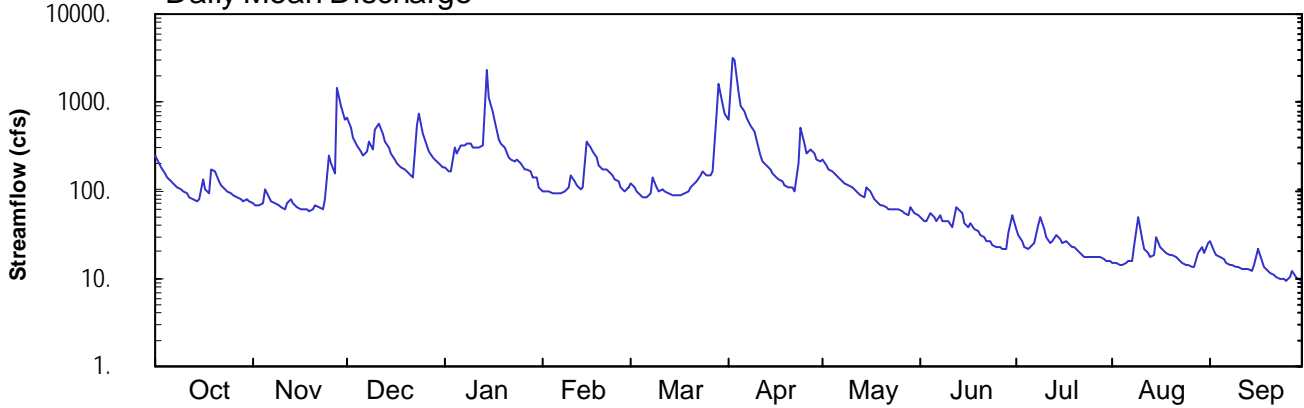
Hydrologic Unit Code: 02040104

Monroe County

Datum: 586.50 feet

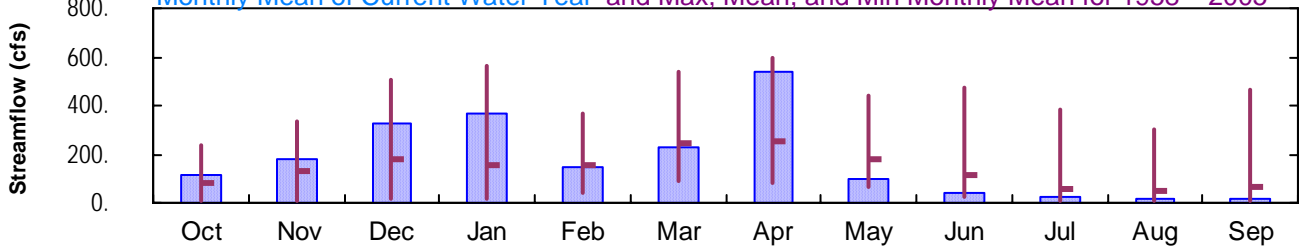
Drainage Area: 65.9 mi²

Daily Mean Discharge

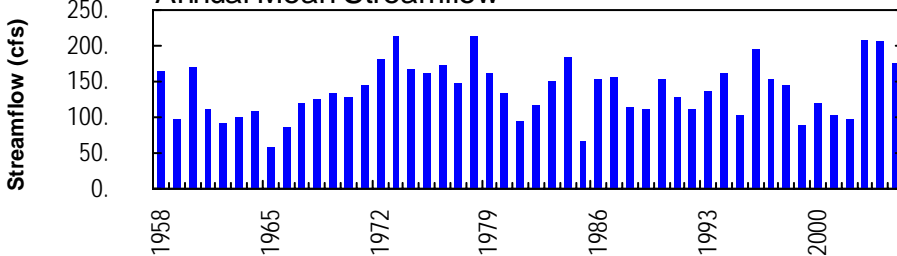


Monthly Statistics

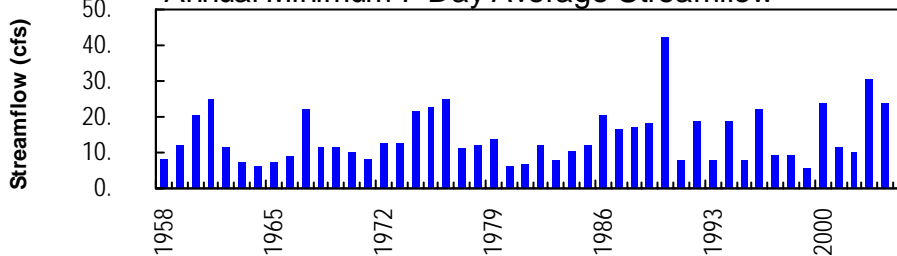
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1958 – 2005



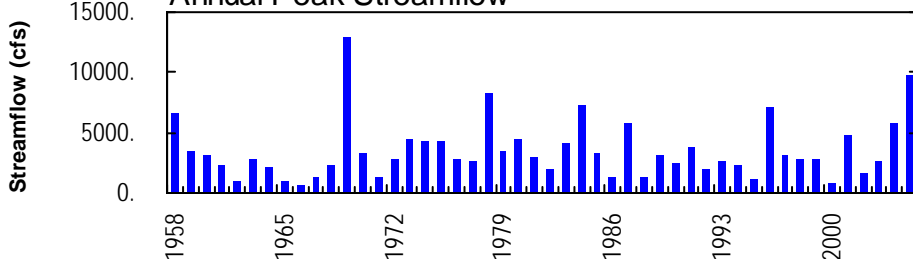
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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)
Nov. 28	1130	3,380	6.89	Mar. 28	2330	2,490	6.10
Dec. 23	1900	1,600	5.13	Apr. 2	2130	*9,750	*10.59
Jan. 14	0700	4,280	7.58				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	72	672	180	e100	117	633	221	48	36	15	26
2	202	68	512	165	e98	107	3180	188	45	31	15	21
3	180	67	396	163	96	97	e3090	176	44	26	14	18
4	158	70	327	313	94	e90	e1310	160	55	23	14	17
5	140	101	282	264	92	e85	e923	147	48	22	15	16
6	127	84	250	320	92	e85	e765	137	44	23	15	15
7	117	76	283	328	94	95	e669	130	53	26	15	15
8	109	73	353	338	97	140	e538	120	45	40	24	14
9	103	68	292	334	110	e110	e459	112	44	48	49	14
10	98	64	486	306	146	e100	e382	106	45	36	29	13
11	90	63	572	303	128	100	e255	101	39	29	22	13
12	84	72	435	309	112	96	e211	95	65	25	19	13
13	79	79	359	314	104	93	e189	87	60	26	17	13
14	77	71	301	2310	109	89	176	84	55	31	19	12
15	79	66	256	1140	349	86	156	108	43	28	29	14
16	136	62	223	766	302	86	143	99	39	25	23	21
17	100	61	203	597	275	87	134	81	42	26	21	15
18	91	60	181	e370	230	91	124	74	36	25	19	14
19	173	59	172	e340	e190	96	117	69	34	23	18	12
20	167	60	e160	301	e170	108	111	66	31	23	18	12
21	129	69	e150	e240	177	120	107	65	29	20	17	11
22	116	64	141	e220	161	126	100	62	27	19	16	11
23	103	61	536	e210	148	150	202	63	27	18	15	10
24	96	79	726	e220	135	160	525	62	25	18	14	9.7
25	91	249	442	e200	128	146	337	61	23	17	14	9.6
26	87	205	323	174	e110	146	261	58	22	17	14	10
27	83	159	275	e170	e100	161	294	54	22	17	14	12
28	79	1430	e240	e160	108	754	263	52	22	18	19	10
29	76	929	220	e140	---	1620	222	65	32	16	23	9.7
30	79	636	202	e140	---	967	217	56	52	16	20	9.5
31	76	---	187	e110	---	749	---	53	---	16	25	---
TOTAL	3571	5277	10157	11445	4055	7057	16093	3012	1196	764	601	410.5
MEAN	115	176	328	369	145	228	536	97.2	39.9	24.6	19.4	13.7
MAX	246	1430	726	2310	349	1620	3180	221	65	48	49	26
MIN	76	59	141	110	92	85	100	52	22	16	14	9.5
CFSM	1.75	2.67	4.97	5.60	2.20	3.45	8.14	1.47	0.60	0.37	0.29	0.21
IN.	2.02	2.98	5.73	6.46	2.29	3.98	9.08	1.70	0.68	0.43	0.34	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	77.8	128	178	157	155	248	253	178	113	57.2	47.5	62.5
MAX	237	336	508	559	371	537	596	440	474	380	300	464
(WY)	1977	1973	1997	1996	1981	1977	1983	1989	1972	1969	2004	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	66404		63638.5		138	
ANNUAL MEAN	181		174		213	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					59.6	
HIGHEST DAILY MEAN	2720	Sep 18	3180	Apr 2	6070	Jul 28 1969
LOWEST DAILY MEAN	22	Jul 11	9.5	Sep 30	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	24	Jul 5	10	Sep 24	5.5	Aug 7 1999
MAXIMUM PEAK FLOW			a9750	Apr 2	a12900	Jul 28 1969
MAXIMUM PEAK STAGE			10.59	Apr 2	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW					4.9	Aug 7 1999 ^b
ANNUAL RUNOFF (CFSM)	2.75		2.65		2.09	
ANNUAL RUNOFF (INCHES)	37.48		35.92		28.39	
10 PERCENT EXCEEDS	336		339		297	
50 PERCENT EXCEEDS	124		91		86	
90 PERCENT EXCEEDS	47		16		17	

^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.

