



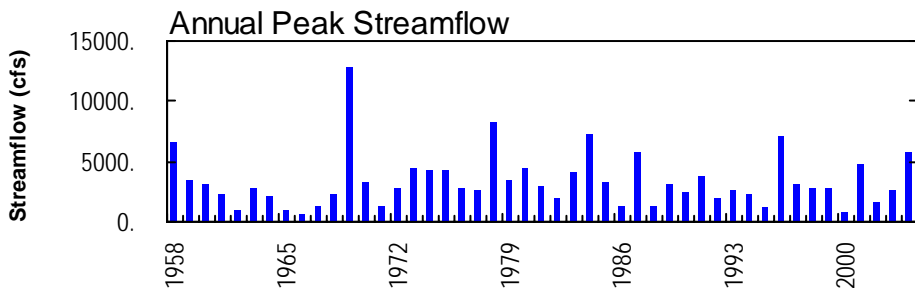
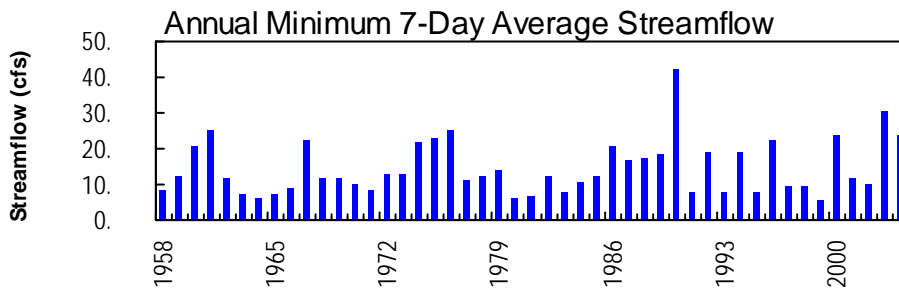
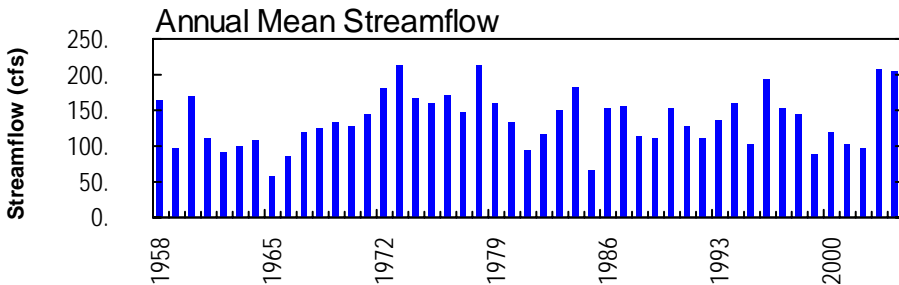
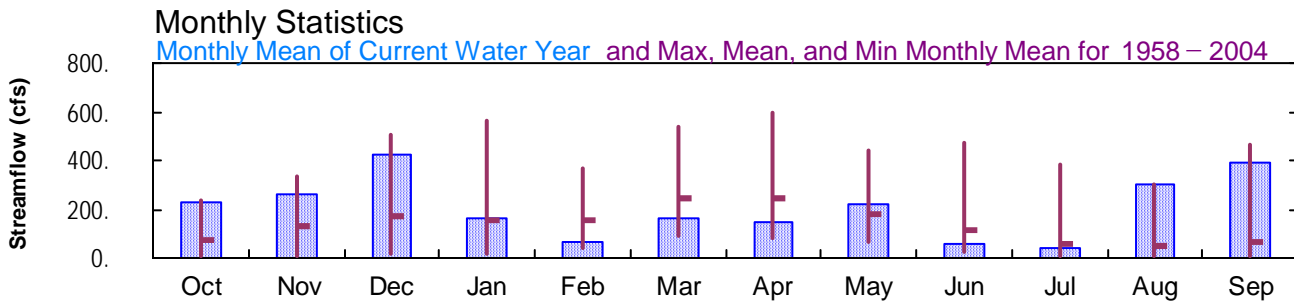
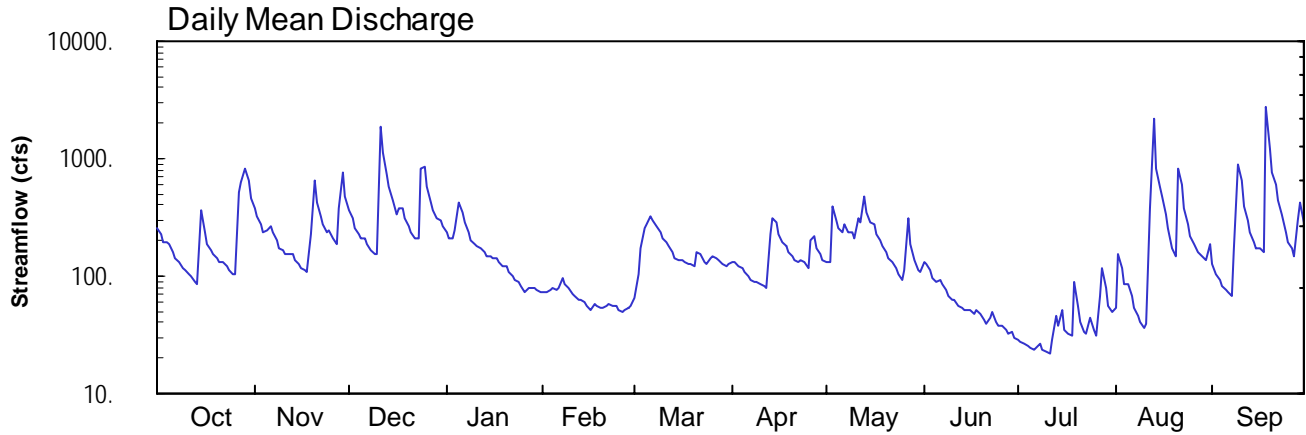
2004 Water Year BRODHEAD CREEK BASIN

01440400 Brodhead Creek near Analomink, PA

Latitude: 41°05'05"
Monroe County

Longitude: 075°12'54"
Datum: 586.50 feet

Hydrologic Unit Code: 02040104
Drainage Area: 65.9 mi²



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	2230	1,120	4.47	Aug. 21	1345	1,930	5.51
Dec. 11	1400	4,500	7.74	Sept. 9	1245	1,170	4.54
Dec. 24	1645	1,420	4.89	Sept. 18	1000	*5,720	*8.53
Aug. 12	2345	3,660	7.12				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	372	368	232	e72	65	134	130	131	29	54	126
2	223	317	309	211	e72	103	133	134	126	28	155	103
3	194	272	257	207	e76	173	122	390	113	27	117	91
4	191	237	226	244	e80	255	119	304	95	26	84	82
5	188	248	209	424	e75	277	110	256	88	25	85	77
6	160	268	208	355	e80	321	98	239	94	24	68	74
7	142	232	186	283	e95	299	94	271	86	25	54	68
8	130	199	167	e240	e85	269	90	235	75	26	47	163
9	119	176	154	e200	e80	237	88	232	68	24	41	904
10	112	163	156	e190	71	212	84	210	63	23	37	648
11	105	157	1850	e180	68	192	81	309	62	22	40	394
12	99	156	1130	e170	e62	178	80	287	57	28	370	294
13	90	152	734	e160	62	158	229	479	53	46	2140	236
14	84	137	577	e150	61	143	308	344	51	38	808	193
15	360	126	444	e150	e56	136	289	292	51	51	573	170
16	238	118	341	e140	e52	135	225	277	51	35	477	169
17	186	113	384	e140	e57	133	197	230	47	32	331	159
18	168	108	382	e130	e55	127	177	200	51	31	257	2720
19	153	227	306	e120	53	126	161	180	47	89	175	1200
20	140	655	265	e120	53	122	148	160	42	56	149	764
21	133	417	232	e110	56	161	137	144	40	41	812	602
22	133	320	213	e100	59	152	129	132	45	34	593	447
23	122	271	213	e94	56	130	137	117	50	32	371	333
24	113	238	837	e88	56	126	129	105	41	44	272	235
25	105	248	857	e82	e52	143	118	94	38	35	220	196
26	102	211	576	e74	e50	146	200	113	38	31	185	170
27	511	189	431	e80	51	144	216	306	35	68	162	148
28	638	373	363	e80	53	137	174	184	32	115	154	303
29	818	754	316	e78	56	127	151	139	33	78	140	423
30	654	469	293	e76	---	120	139	114	30	56	135	291
31	463	---	262	e74	---	126	---	107	---	49	189	---
TOTAL	7129	7923	13246	4982	1854	5173	4497	6714	1833	1268	9295	11783
MEAN	230	264	427	161	63.9	167	150	217	61.1	40.9	300	393
MAX	818	754	1850	424	95	321	308	479	131	115	2140	2720
MIN	84	108	154	74	50	65	80	94	30	22	37	68
CFSM	3.49	4.01	6.48	2.44	0.97	2.53	2.27	3.29	0.93	0.62	4.55	5.96
IN.	4.02	4.47	7.48	2.81	1.05	2.92	2.54	3.79	1.03	0.72	5.25	6.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	77.0	127	175	152	156	248	247	180	114	57.9	48.1	63.5
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	84287		75697			
ANNUAL MEAN	231		207		137	
HIGHEST ANNUAL MEAN					213	1973
LOWEST ANNUAL MEAN					59.6	1965
HIGHEST DAILY MEAN	1860	Jun 22	2720	Sep 18	6070	Jul 28 1969
LOWEST DAILY MEAN	36	Jul 31	22	Jul 11	5.1	Aug 13 1999
ANNUAL SEVEN-DAY MINIMUM	43	Aug 25	24	Jul 5	5.5	Aug 7 1999
MAXIMUM PEAK FLOW			a5720	Sep 18	a12900	Jul 28 1969
MAXIMUM PEAK STAGE			8.53	Sep 18	11.82	Jul 28 1969
INSTANTANEOUS LOW FLOW					4.9	Aug 7 1999 ^b
ANNUAL RUNOFF (CFSM)	3.50		3.14		2.08	
ANNUAL RUNOFF (INCHES)	47.58		42.73		28.23	
10 PERCENT EXCEEDS	469		386		296	
50 PERCENT EXCEEDS	142		140		86	
90 PERCENT EXCEEDS	58		47		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.