

POTOMAC RIVER BASIN

01621470 BLACKS RUN AT ROUTE 704 NEAR MOUNT CRAWFORD, VA

LOCATION.--Lat 38°22'43", long 78°55'42", Rockingham County, Hydrologic unit 02070005, on right bank at downstream side of bridge on State Highway 704, 2.5 mi upstream from North River and 2 mi north of Mount Crawford.

DRAINAGE AREA.--19.4 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,170 ft above sea level, from topographic map.

REMARKS.--Records fair. Diurnal fluctuations at low flow caused by irrigation upstream. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 412 ft³/s, Sep 30, gage height, 6.96 ft; minimum discharge, 0.28 ft³/s, Jul 7, gage height, 1.49 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	4.6	12	3.4	2.0	2.8	2.5	4.2
2	---	---	---	---	---	4.2	8.6	3.4	2.8	1.7	2.5	4.0
3	---	---	---	---	---	4.8	7.4	3.4	2.0	1.6	2.3	3.7
4	---	---	---	---	---	6.7	14	3.3	1.9	1.5	2.1	4.0
5	---	---	---	---	---	4.3	9.4	3.2	2.3	1.3	2.0	131
6	---	---	---	---	---	4.3	6.7	3.0	3.2	.85	1.5	116
7	---	---	---	---	---	4.3	6.6	3.0	2.8	4.2	1.8	33
8	---	---	---	---	---	3.7	6.3	43	2.0	3.1	2.0	16
9	---	---	---	---	---	3.8	6.5	7.1	1.8	2.1	1.7	14
10	---	---	---	---	---	5.5	7.0	5.6	1.8	1.6	1.3	20
11	---	---	---	---	---	5.3	9.3	5.0	1.6	1.6	1.4	11
12	---	---	---	---	---	5.6	6.9	4.8	1.8	2.2	1.3	8.8
13	---	---	---	---	---	4.5	6.0	4.6	1.9	5.1	2.0	8.1
14	---	---	---	---	---	12	5.6	23	2.2	2.5	28	8.4
15	---	---	---	---	---	21	5.4	9.3	1.8	2.2	3.6	8.9
16	---	---	---	---	---	22	6.6	6.0	1.4	1.6	2.8	45
17	---	---	---	---	---	26	5.3	5.2	4.4	1.8	2.5	13
18	---	---	---	---	e35	21	4.9	5.1	3.7	1.6	2.3	9.8
19	---	---	---	---	9.3	15	5.0	5.3	2.4	1.8	3.7	9.1
20	---	---	---	---	7.4	12	5.3	4.2	3.2	1.4	30	12
21	---	---	---	---	6.5	38	5.4	3.9	3.2	1.8	6.0	60
22	---	---	---	---	5.8	30	6.3	3.9	2.0	9.4	4.0	22
23	---	---	---	---	5.5	18	5.6	8.5	1.7	3.3	5.3	14
24	---	---	---	---	5.2	15	12	7.0	2.1	23	8.8	12
25	---	---	---	---	4.8	12	5.0	4.6	1.8	7.4	17	10
26	---	---	---	---	4.8	12	4.6	3.8	1.9	3.5	7.8	9.1
27	---	---	---	---	4.5	11	4.0	3.5	1.7	3.1	25	8.8
28	---	---	---	---	5.4	9.1	3.5	3.7	1.8	8.3	7.2	20
29	---	---	---	---	---	8.2	3.4	3.2	2.1	13	6.2	35
30	---	---	---	---	---	8.3	3.4	2.7	2.8	4.0	5.1	145
31	---	---	---	---	---	7.3	---	2.6	---	3.3	4.7	---
TOTAL	---	---	---	---	---	359.5	198.0	198.3	68.1	122.65	194.4	815.9
MEAN	---	---	---	---	---	11.6	6.60	6.40	2.27	3.96	6.27	27.2
MAX	---	---	---	---	---	38	14	43	4.4	23	30	145
MIN	---	---	---	---	---	3.7	3.4	2.6	1.4	.85	1.3	3.7
CFSM	---	---	---	---	---	.60	.34	.33	.12	.20	.32	1.40
IN.	---	---	---	---	---	.69	.38	.38	.13	.24	.37	1.56

01621470 BLACKS RUN AT ROUTE 704 NEAR MOUNT CRAWFORD, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	---	---	11.6	6.60	6.40	2.27	3.96	6.27	27.2
MAX	---	---	---	---	---	11.6	6.60	6.40	2.27	3.96	6.27	27.2
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999
MIN	---	---	---	---	---	11.6	6.60	6.40	2.27	3.96	6.27	27.2
(WY)	---	---	---	---	---	1999	1999	1999	1999	1999	1999	1999

e Estimated.

