

01660100 CHOPAWAMSIK CREEK AT RUSSELL ROAD NEAR JOPLIN, VA

LOCATION.--Lat. 38°31'23", long 77°22'26", Prince William County, Hydrologic unit 02070011, on left bank at upstream side of Russell Road, 4.5 miles southwest of Dumfries and 2.6 miles upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 1996 to current year.

GAGE.--Water stage recorder. Elevation of gage is 30 ft above sea level, from topographic map.

REMARKS.--Records fair except for Oct. 19 to Nov. 24, which is poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 250 ft³/s, Mar 15, gage height, 4.37 ft; no flow many days in July and August.

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	.02	.04	.40	.42	3.5	28	7.8	3.5	.30	.11	.01	.16
2	.03	.05	.42	.39	8.5	16	9.9	3.3	.33	.17	.00	.14
3	.03	.06	.40	8.6	12	12	8.7	3.1	.31	.37	.00	.09
4	.02	.07	.41	2.3	8.3	72	19	3.1	.27	.21	.00	.11
5	.04	.07	.40	.86	5.8	34	68	3.0	.26	.14	.00	.91
6	.05	.08	.41	e.55	4.6	22	28	3.0	.27	.12	.00	.77
7	.05	.07	.49	.56	4.7	20	20	3.0	.25	.09	.00	.97
8	.24	.08	1.6	.61	4.8	13	16	3.5	.30	.07	.00	.51
9	.08	.08	3.9	1.0	4.5	13	15	2.9	.32	.05	.00	.34
10	.03	.08	.93	.80	4.0	14	23	2.2	.35	.04	.00	.24
11	.04	.09	.60	.51	3.6	13	17	1.9	.39	.02	.00	.15
12	.04	.09	.55	.82	4.3	16	18	1.3	.30	.04	.00	.12
13	.04	.09	3.4	1.1	5.2	17	13	1.1	.33	.04	.00	.09
14	.04	.09	1.5	1.1	6.6	31	12	.96	.41	.03	.00	.09
15	.03	.09	.74	3.9	6.1	176	9.5	.77	.51	.03	.00	1.5
16	.02	.12	.62	2.8	4.6	71	12	.64	.54	.03	.00	44
17	.02	.09	.55	1.6	5.0	35	9.6	.62	.62	.02	.00	5.6
18	.02	.15	.39	4.1	21	21	8.8	.62	.68	.02	.00	1.6
19	.20	.10	.41	9.0	28	15	7.7	.62	.60	.00	.00	1.1
20	.26	.17	.39	9.7	14	11	8.0	.55	.54	.00	.01	.93
21	.18	.15	.40	7.5	9.2	21	7.7	.45	.77	.00	.03	1.2
22	.14	.17	.59	11	7.3	70	9.9	.57	.68	.02	.00	1.7
23	.05	.15	.45	10	6.0	30	9.1	3.6	.55	.00	.00	1.0
24	.04	.13	.55	103	5.6	20	9.7	6.9	.50	.03	.00	.79
25	.05	.10	.48	51	5.5	16	7.9	3.2	.52	.06	4.6	.69
26	.02	1.1	.39	21	5.7	13	6.9	1.5	.39	.02	1.6	.57
27	.03	.52	.40	12	4.8	11	5.4	.78	.13	.01	1.7	.70
28	.07	.24	.54	8.9	9.4	10	4.7	.50	.28	.04	.42	1.1
29	.12	.23	.63	6.5	---	9.5	4.2	.41	.19	.04	.30	3.3
30	.15	.22	.69	4.7	---	7.8	3.8	.35	.10	.03	.28	90
31	.20	---	.55	3.9	---	7.3	---	.32	---	.02	.19	---
TOTAL	2.35	4.77	24.18	290.22	212.6	865.6	400.3	58.26	11.99	1.87	9.14	160.47
MEAN	.076	.16	.78	9.36	7.59	27.9	13.3	1.88	.40	.060	.29	5.35
MAX	.26	1.1	3.9	103	28	176	68	6.9	.77	.37	4.6	90
MIN	.02	.04	.39	.39	3.5	7.3	3.8	.32	.10	.00	.00	.09

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11.1	18.4	21.7	30.7	49.9	45.8	32.0	22.8	10.2	6.44	4.01	9.94
MAX	31.7	34.9	54.7	50.6	101	72.3	44.1	40.9	22.1	18.6	13.9	33.0
(WY)	1997	1997	1997	1998	1998	1998	1998	1998	1998	1996	1996	1996
MIN	.076	.16	.78	9.36	7.59	27.9	13.3	1.88	.40	.060	.29	.044
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1998

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1996 - 1999
ANNUAL TOTAL	10057.31	2041.75	
ANNUAL MEAN	27.6	5.59	20.2
HIGHEST ANNUAL MEAN			30.1 1998
LOWEST ANNUAL MEAN			5.59 1999
HIGHEST DAILY MEAN	555 Feb 5	176 Mar 15	555 Feb 5 1998
LOWEST DAILY MEAN	.02 aSep 24	.00 bJul 19	.00 bJul 19 1999
ANNUAL SEVEN-DAY MINIMUM	.02 Sep 23	.00 Aug 2	.00 Aug 2 1999
INSTANTANEOUS PEAK FLOW		250 Mar 15	851 Feb 5 1998
INSTANTANEOUS PEAK STAGE		4.37 Mar 15	6.55 Feb 5 1998
INSTANTANEOUS LOW FLOW		.00 bJul 10	.00 bJul 10 1999
10 PERCENT EXCEEDS	67	14	50
50 PERCENT EXCEEDS	6.1	.55	9.5
90 PERCENT EXCEEDS	.05	.02	.12

a Also Sep 25-26, 28-29, and Oct 1, 4, 16-18, 26, 1998.
 b Many days in July and August, 1999.
 e Estimated.

