

01673638 COHOKE MILL CREEK NEAR LESTER MANOR, VA

LOCATION.--Lat 37°37'36," long 76°57'46", King William County, Hydrologic unit 02080106, on right bank at downstream side of culvert on State Highway 626, 3.2 mi northeast of Lester Manor and 4.7 mi above mouth.

DRAINAGE AREA.--9.07 mi².

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water stage recorder. Elevation of gage is 40 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,430 ft³/s, Sep 16, gage height, 10.31 ft; minimum discharge, 0.01 ft³/s, Aug 11-12, gage height, 2.94 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	3.7	1.8	3.2	8.4	5.4	11	9.3	3.7	1.3	2.7	.25	.18
2	2.1	1.7	2.6	7.3	7.7	11	11	4.0	1.2	2.0	.34	.20
3	1.6	2.7	2.3	32	7.6	11	9.2	4.8	1.0	1.6	.17	.19
4	1.8	3.0	2.3	24	6.8	12	8.1	5.0	1.0	1.4	.13	.32
5	2.0	2.3	2.3	15	6.0	11	6.9	4.6	.90	1.2	.13	4.1
6	4.6	2.1	2.1	12	5.1	10	6.0	5.0	.76	.92	.12	2.3
7	.93	2.1	2.1	11	5.5	9.9	5.8	4.6	.87	.98	.07	2.3
8	.85	2.2	2.3	10	5.6	9.3	5.3	4.2	.78	1.2	.05	2.2
9	1.9	2.5	6.5	9.8	4.7	9.5	5.7	4.2	.63	.75	.05	5.8
10	2.2	2.7	4.5	8.7	4.5	11	11	3.9	.62	.46	.04	3.7
11	2.4	4.9	4.4	8.2	4.2	11	7.8	3.7	.57	.53	.02	2.7
12	2.2	3.9	5.4	7.7	4.6	11	8.1	3.5	.42	.45	.01	2.2
13	2.7	4.1	17	7.3	7.4	9.9	6.0	3.6	1.6	3.0	.02	1.9
14	2.0	4.6	8.6	6.4	6.4	12	4.9	3.9	1.3	3.1	.05	2.0
15	1.4	4.8	11	11	5.7	38	5.0	3.6	1.5	2.8	.24	3.3
16	1.4	4.6	10	12	5.5	24	7.3	3.5	1.9	2.1	.12	415
17	1.4	4.6	9.1	9.0	4.8	16	5.7	3.9	1.9	1.9	.08	44
18	1.2	4.4	8.6	9.0	6.9	12	4.3	3.5	2.3	1.5	.04	18
19	1.2	4.4	7.9	9.0	7.7	10	4.1	3.3	1.7	1.3	.02	11
20	1.3	4.9	7.4	8.3	6.9	9.5	4.0	3.0	2.0	1.0	.56	6.3
21	.93	6.5	6.6	6.8	5.0	12	3.6	2.7	2.6	.79	.37	7.9
22	1.1	5.5	6.1	6.5	4.5	29	3.6	2.3	2.4	.66	.34	15
23	1.2	5.4	5.4	6.5	3.8	18	4.3	3.9	1.7	.63	.28	10
24	1.1	5.8	9.8	17	3.9	14	9.9	3.8	1.3	.54	.25	6.9
25	1.1	5.1	9.3	19	4.3	12	5.4	3.4	1.3	.49	.38	5.7
26	1.2	6.4	8.3	14	5.2	11	4.1	2.8	1.3	.40	.45	5.5
27	1.1	5.2	8.1	10	4.4	9.8	3.4	2.3	1.2	.33	.47	5.1
28	1.3	4.7	9.0	8.8	7.0	11	3.1	1.9	1.1	.28	.46	5.6
29	1.2	4.3	9.6	7.8	---	10	2.9	1.7	1.2	.45	.47	6.9
30	1.4	3.8	9.8	6.3	---	9.1	3.2	1.6	2.4	.32	.26	9.4
31	1.6	---	8.8	5.4	---	8.5	---	1.4	---	.24	.20	---
TOTAL	52.11	121.0	210.4	334.2	157.1	403.5	179.0	107.3	40.75	36.02	6.44	605.69
MEAN	1.68	4.03	6.79	10.8	5.61	13.0	5.97	3.46	1.36	1.16	.21	20.2
MAX	4.6	6.5	17	32	7.7	38	11	5.0	2.6	3.1	.56	415
MIN	.85	1.7	2.1	5.4	3.8	8.5	2.9	1.4	.42	.24	.01	.18
CFSM	.19	.44	.75	1.19	.62	1.44	.66	.38	.15	.13	.02	2.23
IN.	.21	.50	.86	1.37	.64	1.65	.73	.44	.17	.15	.03	2.48

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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	1.68	4.03	6.79	10.8	5.61	13.0	5.97	3.46	1.36	1.16	.21	20.2
MAX	1.68	4.03	6.79	10.8	5.61	13.0	5.97	3.46	1.36	1.16	.21	20.2
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	1.68	4.03	6.79	10.8	5.61	13.0	5.97	3.46	1.36	1.16	.21	20.2
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS

FOR 1999 WATER YEAR

ANNUAL TOTAL	2253.51
ANNUAL MEAN	6.17
HIGHEST DAILY MEAN	415 Sep 16
LOWEST DAILY MEAN	.01 Aug 12
ANNUAL SEVEN-DAY MINIMUM	.03 Aug 8
INSTANTANEOUS PEAK FLOW	1430 Sep 16
INSTANTANEOUS PEAK STAGE	10.31 Sep 16
INSTANTANEOUS LOW FLOW	.01 aAug 11
ANNUAL RUNOFF (CFSM)	.68
ANNUAL RUNOFF (INCHES)	9.24
10 PERCENT EXCEEDS	11
50 PERCENT EXCEEDS	3.9
90 PERCENT EXCEEDS	.44

a Also Aug 12, 1999.

