02077200 HYCO CREEK NEAR LEASBURG, NC

LOCATION.--Lat 36°23'57", long 79°11'50", Caswell County, Hydrologic Unit 03010104, on right bank 10 ft upstream from bridge on U.S. Highway 158, 1.5 mi upstream from Kilgore Creek, and 2.5 mi west of Leasburg.

DRAINAGE AREA.--45.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year. Prior to October 1968 published as "North Hyco Creek near Leasburg".

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 400.08 ft above sea level. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Periods of no flow occur most years. Maximum gage height for period of record from floodmark.

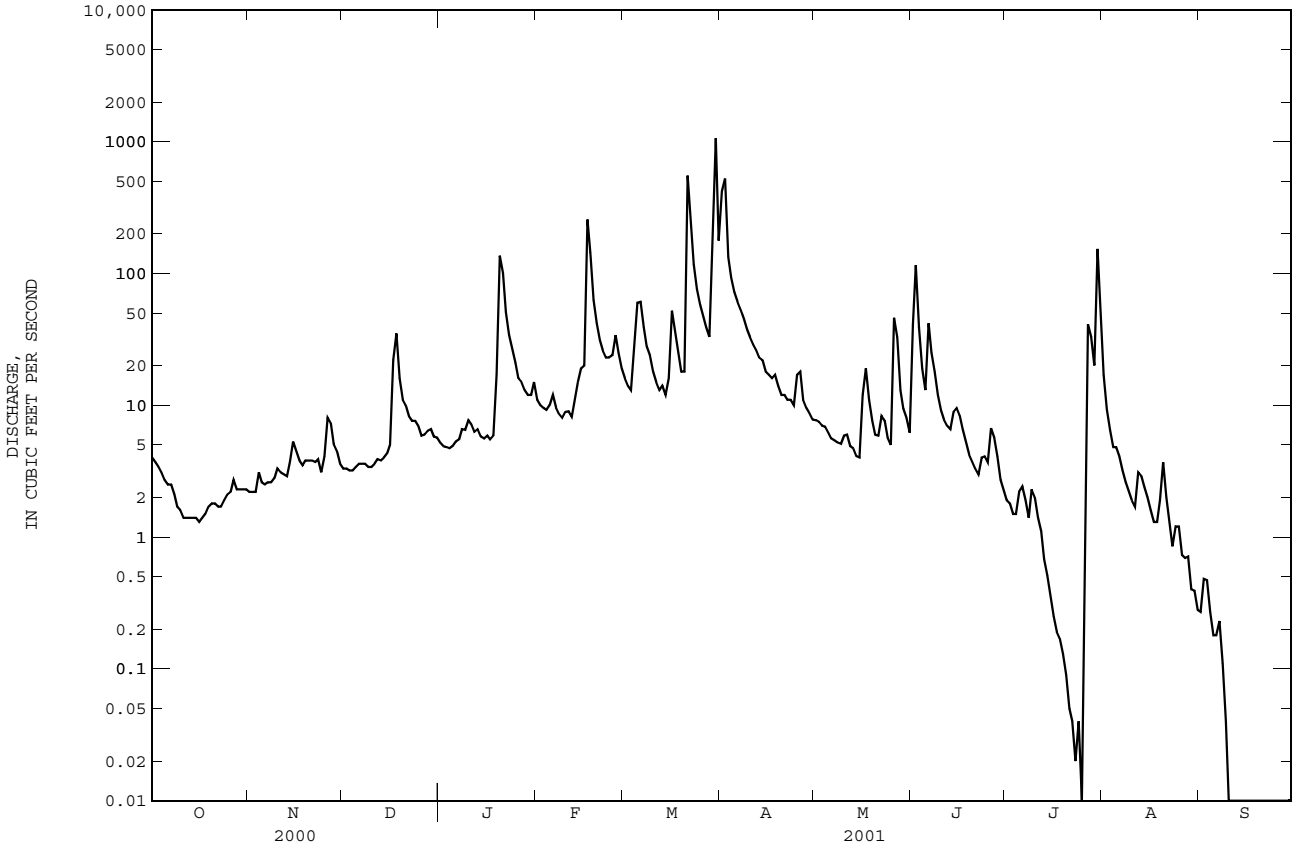
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.2	3.3	e5.2	11	16	419	7.7	41	1.9	17	.27
2	3.7	2.2	3.3	e4.9	10	14	524	7.5	115	1.8	9.3	.48
3	3.4	2.2	3.2	e4.8	9.5	13	133	7.0	39	1.5	6.5	.47
4	3.1	3.1	3.2	e4.7	9.2	29	93	6.9	19	1.5	4.8	.27
5	2.7	2.6	3.4	e4.9	10	60	72	6.2	13	2.2	4.8	.18
6	2.5	2.5	3.6	e5.3	12	61	61	5.6	42	2.4	4.1	.18
7	2.5	2.6	3.6	e5.5	9.6	39	53	5.4	25	1.9	3.2	.23
8	2.1	2.6	3.6	e6.6	8.5	28	45	5.2	18	1.4	2.6	.11
9	1.7	2.8	3.4	e6.5	8.0	24	38	5.1	12	2.3	2.2	.04
10	1.6	3.3	3.4	e7.7	8.9	18	33	5.9	9.1	2.0	1.9	.01
11	1.4	3.1	3.6	e7.1	9.0	15	29	6.0	7.8	1.4	1.7	.00
12	1.4	3.0	3.9	6.3	8.2	13	26	4.9	7.0	1.1	3.1	.00
13	1.4	2.9	3.8	6.6	11	14	23	4.7	6.6	.68	2.9	.00
14	1.4	3.7	4.0	5.8	15	12	22	4.1	8.9	.51	2.4	.00
15	1.4	5.3	4.3	5.6	19	16	18	4.0	9.5	.36	2.0	.00
16	1.3	4.5	5.0	5.9	20	52	17	12	8.4	.25	1.6	.00
17	1.4	3.8	22	5.5	257	36	16	19	6.5	.19	1.3	.00
18	1.5	3.5	35	5.9	143	25	17	11	5.2	.17	1.3	.00
19	e1.7	3.8	16	17	63	18	14	7.6	4.2	.13	1.9	.00
20	e1.8	3.8	11	136	42	18	12	6.0	3.7	.09	3.7	.00
21	1.8	3.8	e10	101	31	550	12	5.9	3.3	.05	2.0	.00
22	1.7	3.7	e8.3	51	26	265	11	8.3	3.0	.04	1.3	.00
23	1.7	3.9	e7.6	34	23	118	11	7.6	4.0	.02	.85	.00
24	1.9	3.1	e7.6	27	23	76	10	5.7	4.1	.04	1.2	.00
25	2.1	4.1	e7.0	21	24	58	17	5.0	3.7	.01	1.2	.00
26	2.2	8.1	e5.9	16	34	48	18	46	6.7	.43	.73	.00
27	2.7	7.3	e6.0	15	25	39	11	33	5.7	41	.69	.00
28	2.3	5.1	e6.4	13	19	33	9.6	13	4.1	33	.71	.00
29	e2.3	4.5	e6.6	12	---	142	8.7	9.4	2.7	20	.40	.00
30	e2.3	3.6	e5.8	12	---	1060	7.8	8.0	2.3	153	.39	.00
31	e2.3	---	e5.7	15	---	177	---	6.2	---	47	.28	---
TOTAL	65.3	110.7	219.5	574.8	888.9	3087	1781.1	289.9	440.5	318.37	88.05	2.24
MEAN	2.11	3.69	7.08	18.5	31.7	99.6	59.4	9.35	14.7	10.3	2.84	.075
MAX	4.0	8.1	35	136	257	1060	524	46	115	153	17	.48
MIN	1.3	2.2	3.2	4.7	8.0	12	7.8	4.0	2.3	.01	.28	.00
CFSM	.05	.08	.15	.40	.69	2.17	1.29	.20	.32	.22	.06	.00
IN.	.05	.09	.18	.47	.72	2.50	1.44	.23	.36	.26	.07	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	24.2	26.9	45.3	82.6	89.7	94.4	61.8	32.7	24.9	22.9	21.3	25.1
MAX	131	137	144	278	244	266	188	184	233	274	264	193
(WY)	1996	1973	1973	1978	1979	1975	1997	1978	1995	1975	1995	1996
MIN	.000	.64	4.77	6.15	19.7	23.1	8.63	4.30	1.80	.11	.026	.000
(WY)	1969	1999	1966	1981	1968	1976	1995	1995	1986	1966	1987	1968

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	11000.8		7866.36			
ANNUAL MEAN	30.1		21.6		45.8	
HIGHEST ANNUAL MEAN					92.3	1975
LOWEST ANNUAL MEAN					15.2	1981
HIGHEST DAILY MEAN	346	Apr 18	1060	Mar 30	7400	Aug 28 1995
LOWEST DAILY MEAN	1.3	Oct 16	.00	Sep 11	.00	Jul 9 1966
ANNUAL SEVEN-DAY MINIMUM	1.4	Oct 11	.00	Sep 11	.00	Jul 9 1966
MAXIMUM PEAK FLOW			1920	Mar 30	NOT DETERMINED	
MAXIMUM PEAK STAGE			34.63	Mar 30	48.53*	Aug 27 1995
INSTANTANEOUS LOW FLOW			.00*	Jul 25	.00*	Jul 8 1966
ANNUAL RUNOFF (CFSM)	.65		.47		1.00	
ANNUAL RUNOFF (INCHES)	8.92		6.38		13.56	
10 PERCENT EXCEEDS	85		39		87	
50 PERCENT EXCEEDS	9.7		5.3		15	
90 PERCENT EXCEEDS	2.6		.26		.87	

e Estimated.
* See REMARKS.

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