

ROANOKE RIVER BASIN

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<sup>2</sup>.

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 NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum gage height for period of record from floodmark. Periods of no flow occur most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	1.3	1.6	12	5.7	27	2.4	0.65	0.00	0.00	465
2	0.00	0.00	1.5	1.6	11	6.6	22	2.7	0.67	0.00	0.00	153
3	0.00	0.00	1.4	1.9	9.7	53	18	3.9	0.62	0.00	0.00	42
4	0.00	0.00	0.84	2.7	9.3	74	15	3.3	0.63	0.00	0.00	21
5	0.00	0.00	0.60	2.7	9.3	40	12	4.3	0.43	0.00	0.00	12
6	0.00	0.00	0.63	4.6	8.9	27	11	4.1	0.36	0.00	0.00	7.8
7	0.00	0.00	0.53	13	28	20	10	3.2	0.26	0.00	0.00	5.4
8	0.00	0.00	0.72	9.4	49	16	9.6	3.5	0.12	0.00	0.00	4.0
9	0.00	0.00	1.4	6.8	32	15	9.4	6.2	0.11	0.00	0.00	3.6
10	0.00	0.00	1.5	5.8	23	18	10	3.7	0.09	0.00	0.00	3.2
11	0.00	0.00	5.9	5.6	19	14	10	2.8	0.04	0.00	0.00	2.6
12	0.00	0.00	7.8	5.2	15	13	9.1	2.4	0.01	0.00	0.00	2.1
13	0.00	0.00	3.8	4.8	15	15	8.5	2.8	0.00	0.00	0.00	1.7
14	0.00	0.00	2.6	4.1	12	13	7.9	3.9	0.05	0.00	0.00	1.4
15	0.00	0.00	2.0	3.6	12	12	7.3	3.7	0.04	0.00	0.00	1.4
16	0.00	0.00	1.7	3.2	12	11	7.2	2.8	0.01	0.00	0.00	2.6
17	0.00	0.00	1.4	3.3	9.7	11	6.3	2.2	0.00	0.00	0.00	3.2
18	0.00	0.00	4.0	3.1	8.9	44	5.9	2.7	0.00	0.00	0.00	2.5
19	0.00	0.00	5.2	11	8.3	72	5.7	2.7	0.00	0.00	0.00	1.8
20	0.00	0.00	3.5	125	8.8	48	5.6	2.0	0.00	0.00	0.00	1.6
21	0.00	0.00	2.5	47	8.4	41	5.1	1.9	0.00	0.00	0.00	1.5
22	0.00	0.00	2.0	26	7.9	38	4.7	2.0	0.00	0.00	0.00	1.3
23	0.00	0.00	1.9	45	7.4	28	4.2	1.7	0.00	0.00	0.00	1.1
24	0.00	0.00	2.4	125	6.7	22	3.5	1.5	0.00	0.00	0.00	0.94
25	0.00	0.00	2.7	84	6.4	17	3.7	1.3	0.00	0.00	0.00	0.82
26	0.00	0.00	2.5	65	6.4	15	3.4	1.3	0.01	0.00	0.00	0.84
27	0.00	0.00	2.2	39	6.4	60	3.0	1.1	0.00	0.00	0.00	1.6
28	0.00	0.47	2.3	28	6.0	60	3.0	0.98	0.00	0.00	0.00	2.0
29	0.00	1.3	2.0	21	---	41	2.9	0.78	0.00	0.00	0.00	1.6
30	0.00	1.3	1.8	15	---	31	2.6	0.66	0.00	0.00	0.00	1.1
31	0.00	---	1.6	13	---	27	---	0.65	---	0.00	0.08	---
TOTAL	0.00	3.07	72.22	727.0	368.5	908.3	253.6	79.17	4.10	0.00	0.08	750.70
MEAN	0.000	0.102	2.330	23.45	13.16	29.30	8.453	2.554	0.137	0.000	0.003	25.02
MAX	0.00	1.3	7.8	125	49	74	27	6.2	0.67	0.00	0.08	465
MIN	0.00	0.00	0.53	1.6	6.0	5.7	2.6	0.65	0.00	0.00	0.00	0.82
CFSM	0.00	0.00	0.05	0.51	0.29	0.64	0.18	0.06	0.00	0.00	0.00	0.55
IN.	0.00	0.00	0.06	0.59	0.30	0.74	0.21	0.06	0.00	0.00	0.00	0.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

	23.52	26.18	44.13	81.06	87.75	92.67	60.39	31.95	24.22	22.33	20.74	25.14
MEAN	23.52	26.18	44.13	81.06	87.75	92.67	60.39	31.95	24.22	22.33	20.74	25.14
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	0.000	0.10	2.33	6.15	13.2	23.1	8.45	2.55	0.14	0.000	0.003	0.000
(WY)	1969	2002	2002	1981	2002	1976	2002	2002	2002	2002	2002	1968

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1964 - 2002

ANNUAL TOTAL	7546.15	3166.74	
ANNUAL MEAN	20.67	8.676	44.83
HIGHEST ANNUAL MEAN			92.3
LOWEST ANNUAL MEAN			8.68
HIGHEST DAILY MEAN	1060	Mar 30	465
LOWEST DAILY MEAN	0.00	Sep 11	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 11	0.00
MAXIMUM PEAK FLOW			874
MAXIMUM PEAK STAGE			32.64
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	0.45		0.19
ANNUAL RUNOFF (INCHES)	6.12		2.57
10 PERCENT EXCEEDS	39		20
50 PERCENT EXCEEDS	4.2		1.6
90 PERCENT EXCEEDS	0.00		0.00

\* See REMARKS.

02077200 HYCO CREEK NEAR LEASBURG, NC--Continued

