

0208524975 LITTLE RIVER BELOW LITTLE RIVER TRIBUTARY AT FAIRNTOSH, NC

LOCATION--Lat 36°06'48", long 78°51'35", Durham County, Hydrologic Unit 03020201, 125 ft downstream of the mouth of Little River tributary and 0.5 mi downstream of Little River dam.

DRAINAGE AREA.--98.9 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year.

GAGE--Water-stage recorder. Elevation of gage is 270 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

**REMARKS.**--No estimated daily discharges. Records are poor due to the effects of beaver dams on the gage height-discharge relationship. Flow regulated by releases from the Little River Reservoir. Maximum discharge for period of record from extension of rating curve based on contracted-opening measurement of peak flow. Maximum gage height for period of record from floodmarks. Instantaneous low flow for the period of record not determined due to the effects of beaver dams on the gage height-discharge relationship. Minimum instantaneous low flow also occurred on Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.6	41	11	90	408	113	30	11	2.5	2.4	2.5
2	4.1	3.6	25	12	61	170	161	33	13	3.1	2.4	2.4
3	3.7	3.5	23	13	65	93	181	24	12	2.6	2.4	2.1
4	4.3	4.0	19	11	149	63	106	17	8.1	2.5	2.3	2.2
5	3.7	3.5	17	11	117	58	75	11	8.6	2.5	2.3	2.0
6	4.2	4.2	9.5	12	72	52	56	16	8.8	3.0	2.2	2.2
7	4.4	4.7	16	9.8	55	45	74	19	10	5.0	2.2	2.3
8	4.4	5.3	16	11	46	105	149	15	11	3.1	2.4	2.6
9	4.4	6.1	15	6.8	40	180	172	12	16	2.3	4.6	2.3
10	3.7	6.8	1,300	9.4	49	103	92	9.3	123	2.2	2.4	2.3
11	3.8	7.4	820	10	35	69	62	9.3	89	2.2	2.5	2.7
12	3.9	30	166	9.3	34	63	54	10	27	2.0	2.5	2.0
13	9.6	228	89	15	30	49	48	10	10	2.2	3.3	2.2
14	3.6	127	49	1,540	33	50	49	9.0	7.5	2.4	4.3	2.2
15	11	47	32	877	37	41	38	9.1	5.4	2.4	2.7	2.2
16	12	24	26	165	43	48	31	9.0	2.6	2.2	2.7	2.8
17	3.9	21	19	94	40	360	27	9.1	3.2	2.1	3.4	3.4
18	3.6	12	17	62	31	423	25	11	3.6	2.4	2.6	3.8
19	3.4	11	19	50	24	197	24	11	3.3	2.5	2.5	5.7
20	3.6	11	16	42	24	127	24	12	3.6	2.4	2.7	11
21	3.8	13	13	43	27	85	22	13	3.5	2.2	2.7	3.4
22	3.6	11	11	38	27	64	19	12	3.3	2.3	2.6	3.1
23	3.5	20	18	40	27	80	25	12	3.7	2.5	2.8	3.6
24	3.5	61	21	31	40	169	25	12	3.5	2.1	2.6	3.7
25	3.9	91	26	33	73	141	15	12	3.1	2.1	2.4	3.8
26	4.1	60	22	35	64	92	11	12	2.8	2.2	2.4	3.4
27	3.6	36	17	36	46	75	16	11	3.4	2.4	2.4	3.1
28	3.5	183	13	30	253	1,010	14	11	2.7	3.1	2.4	2.9
29	3.3	152	11	26	---	509	11	11	2.5	3.0	2.7	2.8
30	3.4	63	12	55	---	225	15	10	2.4	2.5	2.6	3.1
31	3.8	---	15	118	---	144	---	11	---	2.4	2.4	---
TOTAL	138.7	1,253.7	2,913.5	3,456.3	1,632	5,298	1,734	412.8	407.6	78.4	82.8	93.8
MEAN	4.47	41.8	94.0	111	58.3	171	57.8	13.3	13.6	2.53	2.67	3.13
MAX	12	228	1,300	1,540	253	1,010	181	33	123	5.0	4.6	11
MIN	3.3	3.5	9.5	6.8	24	41	11	9.0	2.4	2.0	2.2	2.0

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1996 - 2005
ANNUAL TOTAL	13,518.1	17,501.6	77.0
ANNUAL MEAN	36.9	47.9	224
HIGHEST ANNUAL MEAN			3.39
LOWEST ANNUAL MEAN			2002
HIGHEST DAILY MEAN	1,300	Dec 10	Sep 6, 1996
LOWEST DAILY MEAN	2.6	Aug 26	Nov 22, 1998
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 23	0.41
MAXIMUM PEAK FLOW			0.51
MAXIMUM PEAK STAGE			Sep 7, 2002
INSTANTANEOUS LOW FLOW			16,600*
10 PERCENT EXCEEDS	75	98	17.27
50 PERCENT EXCEEDS	11	11	Sep 6, 1996
90 PERCENT EXCEEDS	3.6	2.4	NOT DETERMINED*
			127
			7.5
			1.8

\* See REMARKS.

