

0208521324 LITTLE RIVER AT SECONDARY ROAD 1461 NEAR ORANGE FACTORY, NC

LOCATION.--Lat 36°08'30", long 78°55'09", Durham County, Hydrologic Unit 03020201, on right bank, 5 feet downstream from bridge on Secondary Road 1461, and 1.8 mi northwest of Orange Factory.

DRAINAGE AREA.--78.2 mi².

PERIOD OF RECORD.--October 1987 to current year. Prior to October 1987, equivalent records published as "Little River near Orange Factory, NC" (02085220), September 1961 to September 1987.

GAGE.--Water-stage recorder. Datum of gage is 380 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record from extension of rating curve above 2,300 ft³/s, based on contracted-opening measurement of peak flow; maximum gage height, 13.26 ft, from high-water mark in gage shelter. No flow occurs periodically.

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	22	13	77	41	95	307	108	61	18	12	2.3	0.81
2	20	13	70	40	71	139	144	69	22	e10	2.2	0.64
3	26	12	65	39	83	103	153	47	46	e7.5	2.2	0.51
4	18	37	57	40	192	88	96	41	51	e6.4	1.9	0.43
5	15	68	51	39	110	82	79	38	29	e6.5	1.7	0.34
6	15	35	51	39	81	79	69	41	23	6.3	1.6	0.28
7	13	24	51	38	67	72	95	43	18	7.1	1.4	0.24
8	12	19	51	38	61	152	158	40	18	8.0	1.2	0.21
9	11	16	50	38	57	174	152	36	127	11	e11	0.22
10	12	15	1,270	39	57	106	97	34	393	10	e5.9	0.23
11	11	14	432	36	59	89	81	32	94	7.2	3.9	0.21
12	10	41	167	36	51	88	70	30	48	5.5	2.8	0.17
13	29	396	113	42	47	80	75	30	33	4.8	2.4	0.15
14	69	117	90	1,270	49	77	74	28	29	4.2	2.2	0.15
15	32	75	75	413	59	73	64	28	28	4.0	1.8	0.14
16	21	59	67	156	60	84	55	28	23	3.6	1.5	0.13
17	16	50	62	111	52	450	53	27	18	3.5	7.3	0.11
18	14	46	57	86	45	335	54	26	15	3.1	13	0.11
19	13	42	54	72	41	162	50	25	14	2.7	7.9	0.09
20	53	40	51	68	39	122	49	26	13	2.4	4.7	0.10
21	40	37	47	69	41	103	48	31	12	2.1	3.4	0.18
22	25	36	47	66	43	91	46	29	11	2.1	2.7	0.15
23	20	48	55	63	42	117	48	25	10	2.4	2.2	0.13
24	18	132	69	56	57	195	46	24	9.6	2.0	2.2	0.11
25	17	140	63	51	111	130	44	22	8.9	1.7	1.9	0.10
26	16	94	53	56	74	107	42	21	8.5	1.6	1.7	0.08
27	15	68	47	54	59	97	42	20	8.3	1.7	1.5	0.08
28	15	246	43	45	370	780	40	19	17	1.3	1.2	0.07
29	14	141	43	40	---	410	41	18	23	1.4	1.0	0.06
30	14	92	44	75	---	183	43	17	17	2.0	0.90	0.05
31	14	---	42	159	---	129	---	17	---	2.4	0.95	---
TOTAL	640	2,166	3,514	3,415	2,173	5,204	2,216	973	1,185.3	146.5	98.55	6.28
MEAN	20.6	72.2	113	110	77.6	168	73.9	31.4	39.5	4.73	3.18	0.21
MAX	69	396	1,270	1,270	370	780	158	69	393	12	13	0.81
MIN	10	12	42	36	39	72	40	17	8.3	1.3	0.90	0.05
CFM	0.26	0.92	1.45	1.41	0.99	2.15	0.94	0.40	0.51	0.06	0.04	0.00
IN.	0.30	1.03	1.67	1.62	1.03	2.48	1.05	0.46	0.56	0.07	0.05	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	40.1	43.8	70.6	119	128	181	116	57.4	42.6	32.4	28.7	52.1
MAX	222	122	215	257	379	456	346	203	194	141	125	329
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1993)	(2003)	(2003)	(1995)	(2003)	(2003)	(1996)
MIN	0.14	1.33	5.06	24.2	22.4	30.9	17.1	7.48	2.08	0.31	0.37	0.21
(WY)	(1994)	(1999)	(2002)	(2001)	(2002)	(1988)	(1995)	(2002)	(2002)	(2002)	(1999)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1987 - 2005	
ANNUAL TOTAL	21,143.4		21,737.63		75.7	
ANNUAL MEAN	57.8		59.6		14.8	
HIGHEST ANNUAL MEAN					195	2003
LOWEST ANNUAL MEAN					14.8	2002
HIGHEST DAILY MEAN	1,270	Dec 10	1,270	Dec 10	6,500	Sep 6, 1996
LOWEST DAILY MEAN	2.4	Jul 16	0.05	Sep 30	0.00	Aug 19, 1988
ANNUAL SEVEN-DAY MINIMUM	2.6	Jul 12	0.08	Sep 24	0.00	Aug 19, 1988
MAXIMUM PEAK FLOW			2,190	Dec 10	11,600*	Sep 6, 1996
MAXIMUM PEAK STAGE			5.74	Dec 10	13.26*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.03	Sep 30	0.00*	Aug 19, 1988
ANNUAL RUNOFF (CFSM)	0.739		0.762		0.968	
ANNUAL RUNOFF (INCHES)	10.06		10.34		13.15	
10 PERCENT EXCEEDS	98		115		151	
50 PERCENT EXCEEDS	40		38		27	
90 PERCENT EXCEEDS	7.3		1.4		1.8	

* See REMARKS.

e Estimated.

