

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	42	58	63	89	68	315	28	14	8.0	12	96
2	35	35	49	61	78	64	169	36	9.7	7.0	57	51
3	33	32	45	61	431	82	94	106	7.9	6.1	129	32
4	32	30	43	61	305	73	72	71	7.7	6.0	42	24
5	31	29	65	63	151	64	58	46	19	5.8	18	20
6	30	29	76	74	161	61	50	35	17	5.3	18	18
7	29	31	64	69	377	61	49	29	12	4.9	12	28
8	29	31	55	62	175	54	45	27	10	4.3	9.4	224
9	34	29	51	61	117	50	43	25	9.6	4.0	7.5	315
10	38	27	151	63	100	48	40	24	9.2	3.7	6.0	91
11	40	26	797	59	86	46	40	22	8.7	3.2	5.3	49
12	39	26	187	59	89	45	54	21	8.4	2.9	8.0	35
13	34	25	118	63	116	43	174	19	7.7	2.7	13	27
14	32	22	569	63	92	42	172	18	7.3	2.6	399	23
15	50	22	344	61	81	44	131	18	7.1	2.5	195	25
16	46	23	168	56	90	59	82	17	7.9	2.4	75	30
17	35	24	166	54	97	93	63	20	8.4	2.4	38	43
18	30	24	195	61	86	77	56	18	8.3	3.0	24	183
19	28	49	129	71	91	64	50	16	7.4	3.0	19	117
20	27	130	107	64	85	55	45	15	6.8	17	15	55
21	25	79	94	57	74	51	42	15	6.5	3.9	e18	37
22	24	60	87	55	66	47	39	14	6.6	3.2	e12	28
23	23	51	84	54	61	43	35	14	6.2	4.1	e11	25
24	22	47	86	52	57	41	34	13	9.9	3.8	e6.4	21
25	22	44	87	53	54	41	33	11	13	3.5	8.6	19
26	22	43	81	63	50	41	32	11	14	3.3	7.8	18
27	26	42	74	60	56	42	35	10	14	3.6	7.2	18
28	31	45	70	62	70	41	34	9.4	13	8.1	6.6	25
29	161	90	68	60	81	39	29	8.8	12	138	6.3	33
30	105	79	68	72	---	38	27	13	9.5	79	836	28
31	54	---	66	110	---	41	---	16	---	25	433	---
TOTAL	1,203	1,266	4,302	1,947	3,466	1,658	2,142	746.2	298.8	372.3	2,455.1	1,738
MEAN	38.8	42.2	139	62.8	120	53.5	71.4	24.1	9.96	12.0	79.2	57.9
MAX	161	130	797	110	431	93	315	106	19	138	836	315
MIN	22	22	43	52	50	38	27	8.8	6.2	2.4	5.3	18
CFM	0.50	0.54	1.77	0.80	1.53	0.68	0.91	0.31	0.13	0.15	1.01	0.74
IN.	0.57	0.60	2.05	0.93	1.65	0.79	1.02	0.35	0.14	0.18	1.17	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2004, BY WATER YEAR (WY)

MEAN	41.2	42.1	68.1	120	131	181	118	58.9	42.8	34.0	30.2	55.1
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	1.27
(WY)	(1994)	(1999)	(2002)	(2001)	(2002)	(1988)	(1995)	(2002)	(2002)	(2002)	(1999)	(1990)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1987 - 2004	
ANNUAL TOTAL	60,584		21,594.4		76.6	
ANNUAL MEAN	166		59.0		195	
HIGHEST ANNUAL MEAN					14.8	2003
LOWEST ANNUAL MEAN					6,500	2002
HIGHEST DAILY MEAN	3,270	Mar 20	836	Aug 30	0.00	Sep 6, 1996
LOWEST DAILY MEAN	18	Aug 30	2.4	Jul 16	0.00	Aug 19, 1988
ANNUAL SEVEN-DAY MINIMUM	23	Oct 21	2.6	Jul 12	0.00	Aug 19, 1988
MAXIMUM PEAK FLOW			1,960	Aug 30	11600*	Sep 6, 1996
MAXIMUM PEAK STAGE			5.54	Aug 30	13.26*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			2.2	Jul 16	0.00*	Aug 19, 1998
ANNUAL RUNOFF (CFSM)	2.12		0.754		0.980	
ANNUAL RUNOFF (INCHES)	28.82		10.27		13.32	
10 PERCENT EXCEEDS	350		108		154	
50 PERCENT EXCEEDS	74		40		26	
90 PERCENT EXCEEDS	30		7.3		1.9	

* See REMARKS.

e Estimated.

