

02128000 LITTLE RIVER NEAR STAR, NC

LOCATION.--Lat 35°23'14", long 79°49'53", Montgomery County, Hydrologic Unit 03040104, on left bank 9 ft downstream from bridge on Secondary Road 1340, 50 ft upstream from Black Rock Branch, 0.2 mi upstream from Norfolk Southern Railway bridge, 0.3 mi downstream from West Fork Little River, and 3 mi west of Star.

DRAINAGE AREA.--106 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-54. April 1954 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 409.00 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. No flow also occurred Aug. 13-15, 25-26, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1945 reached a stage of about 20 ft, from information by local resident.

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	117	38	62	47	91	404	164	90	33	28	122	16
2	484	38	57	46	72	161	157	112	137	23	47	17
3	132	37	54	46	109	117	159	71	120	20	27	15
4	79	52	50	46	273	99	119	63	73	29	19	12
5	60	93	47	47	122	93	104	59	55	36	15	11
6	51	66	45	47	90	87	98	61	60	21	12	8.8
7	45	47	50	46	79	81	120	61	63	31	10	8.6
8	44	42	68	46	73	318	425	59	73	99	9.8	8.4
9	43	38	56	46	71	308	309	55	108	54	12	7.4
10	40	35	264	44	71	141	169	49	91	29	66	6.8
11	38	35	218	44	66	112	126	70	70	21	27	5.9
12	36	39	103	43	61	100	113	55	50	17	16	5.3
13	222	122	75	46	60	94	407	63	43	15	12	5.3
14	122	72	63	2,170	65	137	966	64	40	14	9.6	5.0
15	69	47	55	472	92	146	290	52	35	16	21	4.8
16	53	42	52	168	88	338	161	47	31	14	24	4.7
17	44	40	51	116	76	1,180	130	43	28	12	364	7.0
18	40	40	51	92	67	433	117	41	25	10	375	6.4
19	39	39	51	80	62	203	108	39	23	47	532	5.3
20	38	38	49	77	61	149	100	57	40	17	95	6.2
21	38	38	46	76	67	126	92	54	35	11	54	11
22	37	37	45	71	78	112	87	48	26	17	38	6.9
23	37	43	58	67	78	150	84	44	22	43	31	5.7
24	37	147	83	62	124	197	82	48	20	18	30	5.7
25	38	97	68	61	190	122	77	39	18	11	38	5.1
26	36	74	56	64	105	110	74	36	18	8.6	29	5.1
27	37	56	51	64	86	102	73	34	18	7.0	23	5.8
28	37	138	47	60	585	1,130	70	32	73	9.8	21	5.9
29	38	109	48	58	---	529	68	31	71	574	19	5.2
30	40	71	48	83	---	218	71	31	36	114	18	4.4
31	39	---	48	139	---	157	---	32	---	75	19	---
TOTAL	2,210	1,810	2,119	4,574	3,062	7,654	5,120	1,640	1,535	1,441.4	2,135.4	227.7
MEAN	71.3	60.3	68.4	148	109	247	171	52.9	51.2	46.5	68.9	7.59
MAX	484	147	264	2,170	585	1,180	966	112	137	574	532	17
MIN	36	35	45	43	60	81	68	31	18	7.0	9.6	4.4
CFSM	0.67	0.57	0.64	1.39	1.03	2.33	1.61	0.50	0.48	0.44	0.65	0.07
IN.	0.78	0.64	0.74	1.61	1.07	2.69	1.80	0.58	0.54	0.51	0.75	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	69.9	66.0	95.6	166	206	220	172	97.9	70.2	65.7	58.0	54.6
MAX	337	366	361	511	467	678	430	296	273	578	474	286
(WY)	(1991)	(1986)	(1973)	(1998)	(1960)	(1998)	(1958)	(1990)	(1972)	(1997)	(2003)	(2004)
MIN	4.03	7.77	11.0	23.5	38.6	47.0	38.0	13.7	2.55	1.20	0.50	0.76
(WY)	(1987)	(2002)	(2002)	(2001)	(2002)	(1967)	(1967)	(2002)	(2002)	(2002)	(2002)	(1968)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	33,947.2		33,528.5		112	
ANNUAL MEAN	92.8		91.9		243	
HIGHEST ANNUAL MEAN					27.4	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	3,200	Sep 8	2,170	Jan 14	9,800	Jul 23, 1997
LOWEST DAILY MEAN	3.7	Aug 11	4.4	Sep 30	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 6	5.3	Sep 24	0.00	Aug 10, 2002
MAXIMUM PEAK FLOW			3,920	Jan 14	15,400	Jul 23, 1997
MAXIMUM PEAK STAGE			9.50	Jan 14	18.60	Jul 23, 1997
INSTANTANEOUS LOW FLOW			4.2	Sep 30	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	0.875		0.867		1.05	
ANNUAL RUNOFF (INCHES)	11.91		11.77		14.31	
10 PERCENT EXCEEDS	139		157		194	
50 PERCENT EXCEEDS	56		52		50	
90 PERCENT EXCEEDS	17		12		9.0	

* See REMARKS.

