

02150495 SECOND BROAD RIVER NEAR LOGAN, NC

LOCATION.--Lat 35°24'16", long 81°52'21", Rutherford County, Hydrologic Unit 03050105, on right bank 30 ft downstream of bridge on Secondary Road 1538, 2.2 mi southeast of Logan, and 2.7 mi upstream from Catheys Creek.

DRAINAGE AREA.--86.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year.
REVISED RECORDS.--WDR NC-03-1B: 2000 (M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 840 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum peak stage for current water year from crest-stage gage. Minimum discharge for current year also occurred Sept. 30.

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	155	95	155	139	131	285	207	132	105	169	145	81
2	139	96	144	135	126	214	212	123	200	134	108	76
3	137	117	137	132	150	180	188	119	145	149	97	74
4	125	723	131	132	146	161	172	115	124	215	91	72
5	116	373	127	130	138	151	160	117	110	205	87	69
6	110	232	128	129	133	142	153	118	104	187	86	68
7	106	179	147	126	130	138	152	115	124	1,780	100	68
8	103	153	137	131	130	142	168	112	146	1,180	149	68
9	101	136	263	125	129	130	164	110	174	401	126	67
10	99	128	488	122	127	127	150	107	136	269	111	66
11	96	123	317	120	120	124	144	107	143	225	100	65
12	95	261	237	120	120	121	144	104	127	265	92	65
13	187	280	194	122	120	119	226	103	150	271	89	66
14	126	206	169	435	124	124	441	107	138	248	86	69
15	112	172	154	243	122	116	298	119	118	259	85	65
16	102	156	145	194	122	123	225	123	105	193	82	66
17	98	145	139	167	119	134	190	107	97	164	81	68
18	96	134	136	152	114	127	173	104	123	147	109	65
19	102	127	135	144	113	121	162	104	130	136	98	61
20	102	123	127	143	116	119	153	139	112	126	88	62
21	99	119	123	140	165	116	146	120	129	120	84	60
22	98	117	122	137	184	117	148	107	106	115	83	60
23	99	126	451	133	156	193	164	104	97	111	131	60
24	103	191	364	126	158	180	143	100	91	106	95	58
25	99	295	249	128	148	156	137	97	88	100	87	58
26	96	201	203	128	140	143	134	95	90	95	83	63
27	98	168	174	125	136	143	137	93	163	91	81	67
28	97	158	156	119	338	1,230	128	94	164	91	80	61
29	99	140	150	124	---	453	126	95	167	113	80	62
30	100	131	146	141	---	298	133	96	305	105	94	58
31	96	---	141	142	---	238	---	92	---	138	101	---
TOTAL	3,391	5,605	5,889	4,584	3,955	6,165	5,278	3,378	4,011	7,908	3,009	1,968
MEAN	109	187	190	148	141	199	176	109	134	255	97.1	65.6
MAX	187	723	488	435	338	1,230	441	139	305	1,780	149	81
MIN	95	95	122	119	113	116	126	92	88	91	80	58
CFSM	1.27	2.17	2.20	1.72	1.64	2.31	2.04	1.26	1.55	2.96	1.13	0.76
IN.	1.46	2.42	2.54	1.98	1.71	2.66	2.28	1.46	1.73	3.41	1.30	0.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	66.3	88.7	106	91.2	116	133	147	102	104	116	93.6	103
MAX	122	187	190	148	202	216	368	276	275	275	384	349
(WY)	(2004)	(2005)	(2005)	(2005)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	25.5	33.8	46.2	50.8	57.7	88.8	66.2	34.4	31.1	21.4	13.9	27.9
(WY)	(2001)	(2002)	(2002)	(2001)	(2001)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	56,066		55,141		105	
ANNUAL MEAN	153		151		46.2	
HIGHEST ANNUAL MEAN					205	2003
LOWEST ANNUAL MEAN					46.2	2002
HIGHEST DAILY MEAN	3,320	Sep 8	1,780	Jul 7	3,320	Sep 8, 2004
LOWEST DAILY MEAN	65	Aug 9	58	Sep 24	6.6	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	69	Aug 5	60	Sep 19	8.0	Sep 7, 2002
MAXIMUM PEAK FLOW			4,300	Jul 7	4,450	Sep 8, 2004
MAXIMUM PEAK STAGE			15.71*	Jul 7	15.91	Sep 8, 2004
INSTANTANEOUS LOW FLOW			54*	Sep 25	6.1	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	1.78		1.75		1.22	
ANNUAL RUNOFF (INCHES)	24.20		23.80		16.62	
10 PERCENT EXCEEDS	243		214		181	
50 PERCENT EXCEEDS	108		127		75	
90 PERCENT EXCEEDS	79		83		28	

* See REMARKS.

