

0350056050 CULLASAJA RIVER AT SR 1620 NEAR HIGHLANDS, NC

LOCATION.--Lat 35°04'34", long 83°14'56", Macon County, Hydrologic Unit 06010202, at bridge on Secondary Road 1620, downstream from Long Branch and approximately 3.4 mi northwest of Highlands.

DRAINAGE AREA.--18.8 mi<sup>2</sup>.

PERIOD OF RECORD.--July 2001 to current year.

REVISED RECORDS.--WDR NC-04-01: 2001-2003(M).

GAGE.--Water-stage recorder. Elevation of gage is 3,230 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 rating curve extended above 2,300 ft<sup>3</sup>/s, on basis of peak flow over dam at Lake Sequoyah. Minimum discharge for period of record also occurred Sept. 12, 2002.

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	129	53	196	82	62	81	113	73	65	156	122	151
2	118	58	118	79	62	70	219	64	239	133	96	129
3	109	120	105	77	98	67	144	61	127	173	87	116
4	103	332	97	74	76	70	129	58	96	179	120	106
5	97	127	91	72	67	68	113	56	83	137	125	98
6	95	95	137	73	64	58	100	55	81	119	103	92
7	97	85	199	69	62	61	105	52	71	527	144	87
8	79	77	141	85	61	95	166	49	95	231	235	82
9	80	72	262	71	60	72	118	47	182	208	161	79
10	81	68	196	66	58	61	102	46	155	412	132	76
11	78	73	150	64	55	56	95	46	151	924	e125	73
12	82	260	130	63	55	57	92	44	992	744	e113	71
13	95	125	118	137	56	56	121	45	881	358	151	68
14	80	99	109	243	73	60	117	43	333	282	170	66
15	73	90	101	104	66	62	94	57	235	530	e108	63
16	70	84	96	91	61	64	87	47	189	272	e98	74
17	67	79	91	82	57	68	82	42	164	211	e105	66
18	67	76	87	77	54	56	78	39	186	181	175	59
19	81	72	84	74	53	50	75	38	163	192	165	56
20	77	71	79	72	62	52	71	180	145	192	116	53
21	70	68	77	70	127	51	69	91	128	153	104	52
22	65	66	79	68	103	63	81	69	117	143	97	52
23	60	71	499	65	80	162	97	61	107	126	123	49
24	68	330	164	64	87	88	74	55	99	115	111	47
25	64	191	130	61	77	75	69	50	92	107	94	47
26	65	123	115	61	71	68	68	48	87	99	88	71
27	62	116	105	59	68	82	70	45	199	92	83	56
28	58	129	99	56	97	299	65	43	281	93	79	50
29	54	102	94	69	---	129	62	42	193	177	79	50
30	55	97	90	82	---	104	84	45	176	147	522	48
31	53	---	86	70	---	125	---	42	---	115	215	---
TOTAL	2,432	3,409	4,125	2,480	1,972	2,530	2,960	1,733	6,112	7,528	4,246	2,187
MEAN	78.5	114	133	80.0	70.4	81.6	98.7	55.9	204	243	137	72.9
MAX	129	332	499	243	127	299	219	180	992	924	522	151
MIN	53	53	77	56	53	50	62	38	65	92	79	47
CFSM	4.18	6.06	7.09	4.26	3.75	4.35	5.26	2.98	10.9	12.9	7.30	3.89
IN.	4.82	6.76	8.18	4.92	3.91	5.02	5.87	3.44	12.12	14.93	8.42	4.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	61.6	94.4	104	73.8	83.6	77.3	81.2	76.2	93.0	93.7	67.4	138
MAX	78.5	133	133	80.0	105	97.0	99.0	131	204	243	137	366
(WY)	(2005)	(2004)	(2005)	(2005)	(2004)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2004)
MIN	45.9	40.1	56.6	62.7	63.4	46.5	51.8	54.3	30.5	22.2	15.3	48.9
(WY)	(2004)	(2002)	(2002)	(2004)	(2002)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2001)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	36,043		41,714		90.3	
ANNUAL MEAN	98.5		114		114	
HIGHEST ANNUAL MEAN					114	
LOWEST ANNUAL MEAN					57.3	
HIGHEST DAILY MEAN	2,840	Sep 17	992	Jun 12	2,840	Sep 17, 2004
LOWEST DAILY MEAN	22	Jul 24	38	May 19	7.9	Aug 22, 2002
ANNUAL SEVEN-DAY MINIMUM	25	Jul 20	44	May 13	8.5	Aug 9, 2002
MAXIMUM PEAK FLOW			2,290	Jun 12	5,300*	Sep 17, 2004
MAXIMUM PEAK STAGE			11.13	Jun 12	16.15	Sep 17, 2004
INSTANTANEOUS LOW FLOW			35	May 19	6.7*	Aug 22, 2002
ANNUAL RUNOFF (CFSM)	5.25		6.09		4.81	
ANNUAL RUNOFF (INCHES)	71.47		82.72		65.37	
10 PERCENT EXCEEDS	152		190		147	
50 PERCENT EXCEEDS	61		83		68	
90 PERCENT EXCEEDS	34		55		32	

\* See REMARKS.

e Estimated.

