

0350056050 CULLASAJA RIVER AT SR 1620 NEAR HIGHLANDS, NC

LOCATION.--Lat 35°04'14", long 83°13'57", 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 mi².

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

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. Minimum discharge for period of record also occurred Sept. 12, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	53	56	174	55	101	68	75	61	163	69	405
2	84	49	55	122	52	95	65	77	58	449	119	121
3	75	48	54	134	51	87	61	76	70	173	218	95
4	71	51	63	112	80	83	59	67	79	155	122	124
5	69	68	167	104	61	81	102	119	61	138	92	93
6	62	97	91	98	58	164	74	475	56	127	82	78
7	59	63	75	93	63	106	218	385	420	124	72	73
8	54	58	69	89	53	93	124	225	183	101	68	69
9	52	56	65	86	51	88	119	170	122	91	64	65
10	54	110	65	83	57	81	144	145	100	87	89	62
11	58	192	108	78	52	77	133	136	93	83	105	59
12	50	143	69	75	51	74	109	118	108	73	102	56
13	47	107	110	74	49	72	97	112	103	76	90	53
14	45	91	109	72	57	70	89	100	90	80	74	51
15	89	88	83	68	95	70	84	96	83	69	76	55
16	185	223	77	e66	147	98	80	85	81	63	66	50
17	79	147	72	e65	120	77	87	104	87	70	62	48
18	67	114	68	e65	79	80	206	133	93	90	58	45
19	60	100	77	e61	69	135	120	104	88	61	54	44
20	56	93	275	59	61	263	101	92	72	66	54	42
21	54	118	134	64	57	147	117	113	64	61	62	41
22	51	95	118	64	380	117	104	215	59	94	58	383
23	48	85	107	e56	222	104	92	137	55	81	58	243
24	47	79	297	e54	141	95	76	120	51	62	50	99
25	50	75	183	52	119	89	79	103	48	54	47	80
26	57	71	147	51	117	83	82	94	45	51	45	70
27	48	68	132	49	135	78	73	85	62	48	43	66
28	60	64	120	49	113	75	69	79	58	47	45	65
29	69	62	110	66	---	72	66	77	47	42	47	59
30	71	60	104	73	---	82	73	71	57	77	89	55
31	58	---	103	60	---	71	---	67	---	71	93	---
TOTAL	2,027	2,728	3,363	2,416	2,645	3,008	2,971	4,055	2,654	3,027	2,373	2,849
MEAN	65.4	90.9	108	77.9	94.5	97.0	99.0	131	88.5	97.6	76.5	95.0
MAX	185	223	297	174	380	263	218	475	420	449	218	405
MIN	45	48	54	49	49	70	59	67	45	42	43	41
CFSM	3.49	4.85	5.78	4.15	5.04	5.17	5.28	6.97	4.72	5.20	4.08	5.06
IN.	4.02	5.41	6.67	4.79	5.24	5.96	5.89	8.04	5.26	6.00	4.71	5.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	61.1	65.5	82.5	76.3	78.9	90.5	87.2	97.4	59.5	53.1	46.5	83.3
MAX	65.4	90.9	108	77.9	94.5	97.0	99.0	131	88.5	97.6	76.5	106
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	56.7	40.1	56.6	74.7	63.4	84.0	75.3	63.9	30.5	22.2	15.3	48.9
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 2001 - 2003

ANNUAL TOTAL	24,319.5	34,116	
ANNUAL MEAN	66.6	93.5	75.4
HIGHEST ANNUAL MEAN			93.5
LOWEST ANNUAL MEAN			57.3
HIGHEST DAILY MEAN	921	Sep 27	921
LOWEST DAILY MEAN	7.9	Aug 22	7.9
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 9	8.5
MAXIMUM PEAK FLOW		1,210	1,500
MAXIMUM PEAK STAGE		9.26	10.18
INSTANTANEOUS LOW FLOW		38	6.7*
ANNUAL RUNOFF (CFSM)	3.55	4.98	4.02
ANNUAL RUNOFF (INCHES)	48.22	67.65	54.60
10 PERCENT EXCEEDS	119	142	124
50 PERCENT EXCEEDS	58	77	65
90 PERCENT EXCEEDS	14	51	22

e Estimated.
* See REMARKS.

0350056050 CULLASAJA RIVER AT SR 1620 NEAR HIGHLANDS, NC—Continued

