

TENNESSEE RIVER BASIN

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 and discharges above 650 ft³/s, which are fair. Minimum discharge for period of record and current water year also occurred Sept. 12, 2002. Minimum discharge for period July to Sept. 2001 also occurred Sept. 19, 2001.

DISCHARGE, CUBIC FEET PER SECOND, FOR PERIOD JULY TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	e50	30	32
2	---	---	---	---	---	---	---	---	---	e40	32	29
3	---	---	---	---	---	---	---	---	---	e62	70	45
4	---	---	---	---	---	---	---	---	---	e60	65	44
5	---	---	---	---	---	---	---	---	---	e66	58	33
6	---	---	---	---	---	---	---	---	---	e50	45	27
7	---	---	---	---	---	---	---	---	---	e46	99	24
8	---	---	---	---	---	---	---	---	---	e42	97	22
9	---	---	---	---	---	---	---	---	---	e40	52	22
10	---	---	---	---	---	---	---	---	---	e38	48	70
11	---	---	---	---	---	---	---	---	---	37	44	42
12	---	---	---	---	---	---	---	---	---	34	45	32
13	---	---	---	---	---	---	---	---	---	32	113	28
14	---	---	---	---	---	---	---	---	---	31	104	25
15	---	---	---	---	---	---	---	---	---	30	62	24
16	---	---	---	---	---	---	---	---	---	29	52	21
17	---	---	---	---	---	---	---	---	---	28	46	21
18	---	---	---	---	---	---	---	---	---	28	42	19
19	---	---	---	---	---	---	---	---	---	26	38	24
20	---	---	---	---	---	---	---	---	---	43	34	81
21	---	---	---	---	---	---	---	---	---	33	30	45
22	---	---	---	---	---	---	---	---	---	29	27	33
23	---	---	---	---	---	---	---	---	---	26	26	27
24	---	---	---	---	---	---	---	---	---	28	25	331
25	---	---	---	---	---	---	---	---	---	58	27	105
26	---	---	---	---	---	---	---	---	---	44	31	71
27	---	---	---	---	---	---	---	---	---	39	32	57
28	---	---	---	---	---	---	---	---	---	40	29	49
29	---	---	---	---	---	---	---	---	---	40	25	44
30	---	---	---	---	---	---	---	---	---	44	24	39
31	---	---	---	---	---	---	---	---	---	32	26	---
TOTAL	---	---	---	---	---	---	---	---	---	1225	1478	1466
MEAN	---	---	---	---	---	---	---	---	---	39.52	47.68	48.87
MAX	---	---	---	---	---	---	---	---	---	66	113	331
MIN	---	---	---	---	---	---	---	---	---	26	24	19
CFSM	---	---	---	---	---	---	---	---	---	2.11	2.54	2.60
IN.	---	---	---	---	---	---	---	---	---	2.43	2.93	2.91

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD JULY TO SEPTEMBER 2001

MEAN	---	---	---	---	---	---	---	---	---	39.52	47.68	48.87
MAX	---	---	---	---	---	---	---	---	---	39.5	47.7	48.9
(WY)	---	---	---	---	---	---	---	---	---	2001	2001	2001
MIN	---	---	---	---	---	---	---	---	---	39.5	47.7	48.9
(WY)	---	---	---	---	---	---	---	---	---	2001	2001	2001

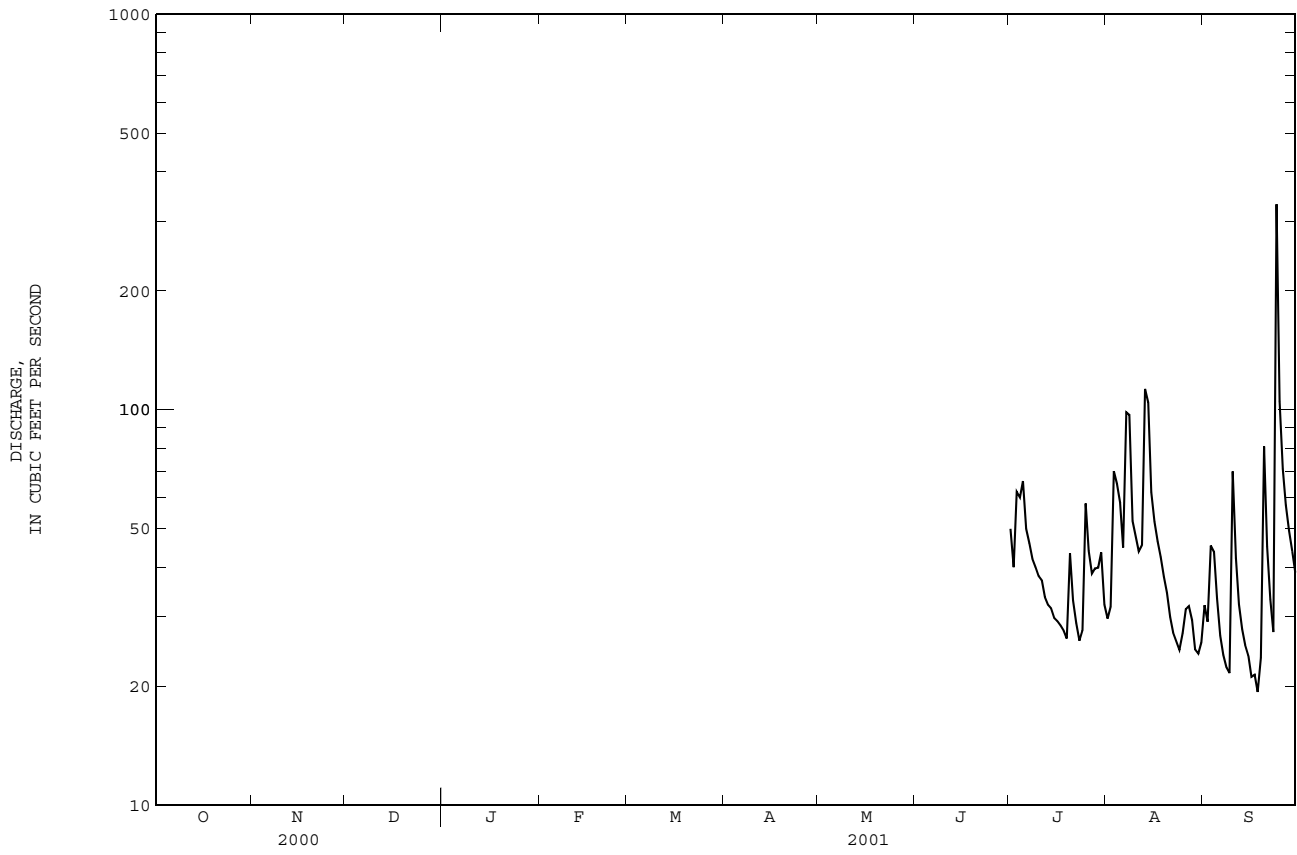
SUMMARY STATISTICS

FOR PERIOD JULY TO SEPTEMBER 2001

MAXIMUM PEAK FLOW 667 Sep 24
 MAXIMUM PEAK STAGE 7.10 Sep 24
 INSTANTANEOUS LOW FLOW 16* Sep 18

e Estimated.
 * See REMARKS.

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



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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	37	61	39	84	39	99	101	48	22	20	15
2	31	37	51	38	73	147	85	65	34	21	15	16
3	30	35	46	40	68	126	79	61	29	53	13	25
4	28	34	43	36	65	82	74	200	31	50	11	17
5	28	35	41	35	61	72	69	116	84	26	10	14
6	38	37	40	63	80	68	65	92	61	19	9.9	11
7	33	30	38	51	137	65	63	82	42	16	9.3	10
8	30	30	37	41	90	61	61	75	35	15	8.7	9.5
9	29	29	35	39	78	64	157	72	31	14	8.5	9.0
10	29	27	63	44	79	63	128	75	27	13	8.4	8.7
11	30	27	88	48	75	56	96	67	25	20	8.8	8.6
12	62	28	53	42	71	87	85	65	23	23	8.6	8.3
13	80	27	65	38	67	156	97	67	22	48	8.3	9.3
14	365	25	70	36	61	92	92	67	22	61	8.5	42
15	121	26	59	35	55	80	93	57	23	36	8.6	268
16	79	26	50	33	56	78	87	54	20	24	12	96
17	68	23	87	32	53	83	77	52	19	18	11	51
18	60	24	110	32	51	79	76	72	19	15	11	42
19	56	25	69	126	50	71	70	55	17	14	10	38
20	53	24	59	125	59	77	65	50	17	13	9.1	52
21	50	22	53	113	56	104	62	47	17	12	8.5	176
22	48	20	50	85	49	78	58	46	15	14	7.9	154
23	46	29	70	198	47	73	53	45	21	14	9.0	107
24	45	132	82	154	45	69	53	41	24	15	9.0	74
25	48	112	57	209	43	66	67	39	19	17	25	81
26	42	63	53	129	43	94	54	38	52	27	42	354
27	40	50	49	108	41	86	51	38	61	16	77	921
28	40	45	47	97	39	71	52	38	28	13	30	282
29	39	43	46	89	---	66	48	35	26	13	22	163
30	39	102	42	82	---	129	44	33	24	12	18	122
31	37	---	41	80	---	122	---	37	---	14	16	---
TOTAL	1759	1204	1755	2317	1776	2604	2260	1982	916	688	474.1	3184.4
MEAN	56.74	40.13	56.61	74.74	63.43	84.00	75.33	63.94	30.53	22.19	15.29	106.1
MAX	365	132	110	209	137	156	157	200	84	61	77	921
MIN	28	20	35	32	39	39	44	33	15	12	7.9	8.3
CFSM	3.02	2.14	3.02	3.98	3.38	4.48	4.02	3.41	1.63	1.18	0.82	5.66
IN.	3.49	2.39	3.48	4.59	3.52	5.16	4.48	3.93	1.82	1.36	0.94	6.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	56.74	40.13	56.61	74.74	63.43	84.00	75.33	63.94	30.53	30.85	31.49	77.51
MAX	56.7	40.1	56.6	74.7	63.4	84.0	75.3	63.9	30.5	39.5	47.7	106
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	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 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	20919.5	
ANNUAL MEAN	57.31	57.31
HIGHEST ANNUAL MEAN		57.3 2002
LOWEST ANNUAL MEAN		57.3 2002
HIGHEST DAILY MEAN	921 Sep 27	921 Sep 27 2002
LOWEST DAILY MEAN	7.9 Aug 22	7.9 Aug 22 2002
ANNUAL SEVEN-DAY MINIMUM	8.5 Aug 9	8.5 Aug 9 2002
MAXIMUM PEAK FLOW	1500 Sep 27	1500 Sep 27 2002
MAXIMUM PEAK STAGE	10.18 Sep 27	10.18 Sep 27 2002
INSTANTANEOUS LOW FLOW	6.7* Aug 22	6.7* Aug 22 2002
ANNUAL RUNOFF (CFSM)	3.06	3.06
ANNUAL RUNOFF (INCHES)	41.48	41.51
10 PERCENT EXCEEDS	98	98
50 PERCENT EXCEEDS	46	46
90 PERCENT EXCEEDS	14	14

* See REMARKS.

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

