

0212433550 ROCKY RIVER ABOVE IRISH BUFFALO CREEK NEAR ROCKY RIVER, NC

LOCATION.--Lat 35°19'18", long 80°32'27", Cabarrus County, Hydrologic Unit 03040105, on left bank at end of maintenance road located within Rocky River Wastewater Treatment Facility, 0.40 mi above confluence with Irish Buffalo Creek, and 1.9 mi northeast of Rocky River.

DRAINAGE AREA.--278 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 494.26 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Site is affected by variable backwater conditions at high flow; therefore, a peak flow was not determined for current water year and period of record. Missing discharge values on the daily values table are days when the flow exceeded the rating. A daily average of 14.2 ft³/s of treated effluent from the Mallard Creek Wastewater Treatment Plant was discharged into the river approximately 7 mi upstream of the gaging station. A daily average of 4.2 ft³/s of treated effluent from the Mooresville Wastewater Treatment Plant was discharged into the river approximately 15 mi upstream of the gaging station. Minimum discharge for period of record and current water year affected by regulation. Minimum discharge for period of record also occurred Aug. 14, 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	429	90	143	110	142	---	---	188	74	---	337	47
2	299	87	138	109	121	499	410	166	---	---	e132	42
3	283	92	120	109	359	342	384	120	---	167	94	40
4	347	---	110	109	518	269	276	108	189	---	79	37
5	219	---	104	106	244	237	228	105	132	---	70	35
6	195	204	107	106	183	217	207	109	107	225	64	35
7	187	146	214	104	158	189	200	109	---	---	59	35
8	169	128	149	101	145	---	217	99	---	---	57	36
9	154	117	133	100	137	568	325	95	311	170	199	34
10	115	111	---	99	140	343	220	95	---	114	198	34
11	109	108	---	100	148	273	188	141	363	93	148	32
12	132	132	599	100	121	241	183	108	194	140	83	32
13	---	358	350	100	109	180	---	154	147	94	66	33
14	206	169	277	---	123	210	---	108	128	79	273	33
15	125	129	259	547	203	228	---	110	109	73	102	34
16	111	122	223	238	141	---	396	107	95	66	66	35
17	101	115	170	192	237	---	295	93	88	64	67	61
18	99	111	177	161	149	576	250	87	79	133	81	45
19	98	108	149	138	130	337	224	82	78	160	224	35
20	101	104	188	133	110	270	199	107	89	70	89	32
21	93	104	182	133	186	239	180	147	86	61	68	32
22	85	103	131	126	314	218	165	92	80	47	55	31
23	84	109	228	e130	189	---	196	82	76	159	52	32
24	87	159	304	e120	475	---	183	83	71	e149	247	31
25	95	390	165	107	472	372	161	81	68	e95	102	30
26	87	185	137	110	256	295	140	70	68	e75	61	31
27	85	128	126	108	201	260	138	67	209	43	53	33
28	124	474	118	99	---	---	139	63	251	46	49	34
29	132	251	116	94	---	---	130	62	274	396	48	32
30	104	161	115	167	---	676	127	60	115	---	49	33
31	94	---	112	215	---	505	---	72	---	---	57	---

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
LOWEST DAILY MEAN	33	Jun 13	30	Sep 25	13	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	43	Jun 2	31	Sep 20	14	Aug 9, 2002
MAXIMUM PEAK STAGE			14.06	Mar 28	23.21	Apr 11, 2003
INSTANTANEOUS LOW FLOW			43	Sep 6	11*	Aug 13, 2002

* See REMARKS.
e Estimated.

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