

02111500 REDDIES RIVER AT NORTH WILKESBORO, NC

LOCATION.--Lat 36°10'30", long 81°10'08", Wilkes County, Hydrologic Unit 03040101, on left bank 550 ft upstream from bridge on Secondary Road 1517, 1.4 mi upstream from North Wilkesboro municipal dam, 1.2 mi northwest of North Wilkesboro, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--89.2 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1433: 1944. WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 978.62 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Slight diurnal fluctuation at low flow during growing season. Maximum discharge for period of record, from rating curve extended above 5,600 ft³/s on basis of computation of peak flow over dam; gage height: 22.02 ft. Minimum discharge for period of record also occurred Aug. 15, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	124	181	146	e120	137	139	120	93	113	83	84
2	145	122	171	144	120	137	125	123	82	123	110	74
3	141	122	165	144	222	135	120	124	79	126	91	80
4	143	120	175	144	175	134	116	112	195	118	78	69
5	140	134	210	146	149	132	112	109	133	116	75	65
6	137	172	190	141	574	144	110	106	100	99	76	64
7	135	161	178	135	431	134	111	103	103	94	70	163
8	136	137	171	134	243	132	111	100	113	90	68	e2,210
9	154	127	166	138	199	129	109	115	110	87	66	634
10	159	124	385	135	183	129	106	101	94	85	65	277
11	143	124	422	131	174	126	107	97	96	112	65	194
12	137	124	254	133	173	126	196	111	98	144	147	158
13	134	121	214	132	167	126	411	108	180	106	121	139
14	139	113	240	130	161	125	296	102	136	88	84	130
15	148	115	221	131	160	126	195	96	149	82	79	124
16	131	116	208	126	158	155	167	96	378	79	75	117
17	128	117	255	126	149	137	153	102	196	79	73	626
18	128	115	227	145	150	128	144	120	140	94	81	465
19	126	e1,360	207	132	149	128	138	101	129	119	70	244
20	124	438	189	126	148	126	134	105	120	84	67	187
21	124	271	177	126	148	127	131	95	195	78	65	163
22	122	222	173	126	142	126	125	96	361	80	65	146
23	120	198	170	125	139	123	122	119	189	79	65	135
24	119	199	177	126	140	124	122	106	152	74	77	127
25	118	187	164	e126	136	123	118	92	270	72	75	122
26	123	175	158	e124	137	122	169	90	269	75	68	117
27	269	169	155	e124	145	120	154	94	157	91	64	118
28	149	231	152	e122	143	120	128	89	139	99	76	1,070
29	138	222	151	e122	140	116	120	87	126	77	91	352
30	129	193	159	e122	---	119	118	88	118	118	73	238
31	125	---	148	e120	---	158	---	109	---	95	71	---
TOTAL	4,316	6,153	6,213	4,082	5,275	4,024	4,407	3,216	4,700	2,976	2,434	8,692
MEAN	139	205	200	132	182	130	147	104	157	96.0	78.5	290
MAX	269	1,360	422	146	574	158	411	124	378	144	147	2,210
MIN	118	113	148	120	120	116	106	87	79	72	64	64
CFSM	1.56	2.30	2.25	1.48	2.04	1.46	1.65	1.16	1.76	1.08	0.88	3.25
IN.	1.80	2.57	2.59	1.70	2.20	1.68	1.84	1.34	1.96	1.24	1.02	3.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	107	118	128	141	162	190	191	156	145	121	122	115
MAX	309	379	273	374	386	405	536	353	412	335	587	479
(WY)	(1977)	(1978)	(1974)	(1996)	(1960)	(1975)	(1980)	(1973)	(1976)	(1941)	(1940)	(1945)
MIN	33.1	35.1	44.3	44.5	50.6	77.3	68.1	47.8	32.8	31.8	22.1	30.8
(WY)	(2001)	(2002)	(2001)	(1956)	(2001)	(1940)	(2001)	(2002)	(2002)	(2002)	(2002)	(1954)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	80,614		56,488		141	
ANNUAL MEAN	221		154		51.0	
HIGHEST ANNUAL MEAN					218	1973
LOWEST ANNUAL MEAN					51.0	2002
HIGHEST DAILY MEAN	1,690	Apr 10	2,210	Sep 8	7,600	Aug 14, 1940
LOWEST DAILY MEAN	77	Feb 13	64	Aug 27	13	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	80	Feb 8	68	Aug 21	14	Aug 8, 2002
MAXIMUM PEAK FLOW			4,010	Nov 19	27,000*	Aug 14, 1940
MAXIMUM PEAK STAGE			8.74	Nov 19	22.02	Aug 14, 1940
INSTANTANEOUS LOW FLOW			60	Sep 6	12*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	2.48		1.73		1.58	
ANNUAL RUNOFF (INCHES)	33.62		23.56		21.51	
10 PERCENT EXCEEDS	355		207		229	
50 PERCENT EXCEEDS	175		126		110	
90 PERCENT EXCEEDS	107		80		57	

* See REMARKS.

e Estimated.

