

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. Minimum discharge for current water year also occurred Sept. 25.

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	197	125	169	143	144	185	210	146	108	107	126	92
2	178	120	146	139	138	155	333	140	264	171	112	87
3	168	116	140	136	167	148	269	137	185	153	107	84
4	157	187	138	135	164	145	229	134	149	130	105	81
5	144	157	136	134	152	157	210	134	132	143	104	80
6	137	140	136	134	146	164	195	134	122	131	107	78
7	133	137	142	129	143	153	192	131	156	587	116	78
8	127	131	138	133	141	161	210	128	161	396	118	76
9	125	125	202	126	140	143	194	124	165	184	129	76
10	123	120	267	125	139	138	179	127	217	147	130	74
11	118	117	214	123	131	136	174	156	206	137	124	73
12	116	208	176	122	129	133	170	130	166	211	103	71
13	163	196	158	142	129	128	204	127	219	203	98	71
14	153	148	143	996	143	137	269	138	204	216	136	70
15	127	140	140	295	134	126	204	166	159	297	109	71
16	118	140	139	229	131	132	185	146	140	570	109	69
17	112	137	139	199	127	157	177	129	129	262	136	70
18	109	132	139	178	122	144	172	125	121	205	293	68
19	115	129	139	170	120	139	167	127	119	188	194	65
20	116	126	e136	166	121	134	161	155	121	181	144	65
21	112	124	e132	162	129	130	157	133	136	180	122	65
22	113	121	130	156	124	128	167	121	120	154	109	63
23	123	132	630	147	118	342	175	121	111	140	105	65
24	130	305	340	147	141	242	155	116	107	129	106	62
25	121	313	230	144	133	183	150	112	103	124	101	64
26	113	193	197	143	125	165	148	110	101	118	99	75
27	118	164	175	137	122	167	152	107	107	114	96	76
28	143	163	162	130	197	942	143	106	111	117	94	67
29	143	143	157	137	---	412	169	106	142	147	91	67
30	139	138	152	159	---	277	157	105	132	123	111	64
31	134	---	146	155	---	231	---	101	---	137	114	---
TOTAL	4,125	4,627	5,588	5,571	3,850	6,134	5,677	3,972	4,413	6,102	3,748	2,167
MEAN	133	154	180	180	138	198	189	128	147	197	121	72.2
MAX	197	313	630	996	197	942	333	166	264	587	293	92
MIN	109	116	130	122	118	126	143	101	101	107	91	62
CFSM	1.49	1.73	2.02	2.01	1.54	2.22	2.12	1.44	1.65	2.21	1.36	0.81
IN.	1.72	1.93	2.33	2.32	1.61	2.56	2.37	1.66	1.84	2.54	1.56	0.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	108	118	129	141	162	190	191	156	145	122	122	114
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)

02111500 REDDIES RIVER AT NORTH WILKESBORO, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	54,146		55,974		141	
ANNUAL MEAN	148		153		51.0	
HIGHEST ANNUAL MEAN					218	1973
LOWEST ANNUAL MEAN					51.0	2002
HIGHEST DAILY MEAN	2,210	Sep 8	996	Jan 14	7,600	Aug 14, 1940
LOWEST DAILY MEAN	64	Aug 27	62	Sep 24	13	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	68	Aug 21	64	Sep 19	14	Aug 8, 2002
MAXIMUM PEAK FLOW			2,760	Jan 14	27,000*	Aug 14, 1940
MAXIMUM PEAK STAGE			6.92	Jan 14	22.02	Aug 14, 1940
INSTANTANEOUS LOW FLOW			60*	Sep 24	12*	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	1.66		1.72		1.59	
ANNUAL RUNOFF (INCHES)	22.58		23.34		21.54	
10 PERCENT EXCEEDS	195		205		229	
50 PERCENT EXCEEDS	126		137		111	
90 PERCENT EXCEEDS	80		101		57	

* See REMARKS.

e Estimated.

