

PEE DEE RIVER BASIN

02111500 REDDIES RIVER AT NORTH WILKESBORO, NC

LOCATION.--Lat 36°10'29", long 81°10'09", 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 sea level. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. 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 current water year, result of freezeup.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	32	38	e32	48	54	138	45	54	39	58	41
2	36	32	38	e32	46	51	115	60	59	39	52	41
3	36	33	38	e32	45	51	110	46	48	48	47	38
4	35	33	37	e31	44	72	104	43	44	44	55	55
5	34	34	40	e31	44	70	93	44	45	62	44	42
6	34	33	40	e31	44	60	87	45	48	41	41	36
7	33	33	37	e31	43	56	82	42	45	36	38	34
8	31	35	36	e31	42	54	77	40	44	38	36	33
9	31	50	36	e30	42	53	73	41	42	46	39	32
10	32	194	37	e30	44	50	70	41	39	39	34	39
11	33	54	37	e30	41	49	68	39	38	36	e150	38
12	32	44	36	e29	42	49	66	39	37	32	135	33
13	32	41	35	e29	42	64	67	37	40	31	81	31
14	32	40	42	e29	49	52	63	35	77	30	111	30
15	32	39	46	e28	47	68	61	35	44	28	59	30
16	31	38	48	e28	48	88	60	41	40	27	49	29
17	31	39	193	e28	76	73	57	110	36	27	45	28
18	31	37	72	e40	56	64	56	59	34	27	44	28
19	31	37	58	189	51	59	55	49	33	34	66	28
20	32	39	e46	194	49	59	54	54	32	54	50	43
21	33	37	e42	100	48	296	53	214	38	36	40	40
22	36	35	e39	74	49	167	53	100	36	32	36	32
23	34	37	e37	63	48	114	51	98	68	29	35	31
24	34	37	e35	58	52	91	50	69	40	28	37	99
25	34	44	e34	54	76	79	50	84	54	43	34	59
26	34	70	e33	49	79	71	48	90	81	114	32	39
27	34	47	e33	50	63	66	47	68	66	134	35	35
28	33	42	e33	47	58	62	46	59	46	100	42	32
29	33	40	e33	46	---	259	45	56	40	119	33	31
30	32	39	e33	57	---	480	44	50	38	117	31	30
31	32	---	e32	53	---	179	---	47	---	74	33	---
TOTAL	1025	1345	1374	1586	1416	3060	2043	1880	1386	1584	1622	1137
MEAN	33.1	44.8	44.3	51.2	50.6	98.7	68.1	60.6	46.2	51.1	52.3	37.9
MAX	37	194	193	194	79	480	138	214	81	134	150	99
MIN	31	32	32	28	41	49	44	35	32	27	31	28
CFSM	.37	.50	.50	.57	.57	1.11	.76	.68	.52	.57	.59	.42
IN.	.43	.56	.57	.66	.59	1.28	.85	.78	.58	.66	.68	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	109	117	128	143	163	192	192	158	144	120	122	112				
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	44.8	44.3	44.5	50.6	77.3	68.1	60.6	46.2	43.0	31.0	30.8				
(WY)	2001	2001	2001	1956	2001	1940	2001	2001	2001	1986	1956	1954				

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1940 - 2001

ANNUAL TOTAL	24704	19458		
ANNUAL MEAN	67.5	53.3	141	
HIGHEST ANNUAL MEAN			218	1973
LOWEST ANNUAL MEAN			53.3	2001
HIGHEST DAILY MEAN	454	Mar 20	480	Mar 30
LOWEST DAILY MEAN	31	Oct 8	27	Jul 16
ANNUAL SEVEN-DAY MINIMUM	31	Oct 13	29	Jan 11
MAXIMUM PEAK FLOW			1340	Mar 29
MAXIMUM PEAK STAGE			4.60	Mar 29
INSTANTANEOUS LOW FLOW			23*	Jan 10
ANNUAL RUNOFF (CFSM)	.76	.60		1.59
ANNUAL RUNOFF (INCHES)	10.30	8.11		21.55
10 PERCENT EXCEEDS	114	81		228
50 PERCENT EXCEEDS	53	42		110
90 PERCENT EXCEEDS	34	31		59

e Estimated.
* See REMARKS.

02111500 REDDIES RIVER AT NORTH WILKESBORO, NC--Continued

