

NEUSE RIVER BASIN

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC

LOCATION.--Lat 35°41'29", long 78°06'38", Wilson County, Hydrologic Unit 03020203, on right bank 250 ft upstream from bridge on State Highway 581, 1.0 mi downstream of Buckhorn Reservoir, 1.0 mi upstream from Buckhorn Branch, and 6.5 mi northwest of Lucama.

DRAINAGE AREA.--161 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1964 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 117.43 ft above sea level (levels by U.S. Army Corps of Engineers). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Since September 1976, some regulation at low flow by Buckhorn Reservoir (station 02090370) 1 mi upstream. Maximum discharge for period of record, from rating curve extended above 6,000 ft³/s, on basis of flow over dam measurement of peak flow; maximum gage height from flood marks. Minimum discharge for period of record also occurred Sept. 10-14, 1976, due to regulation. Minimum discharge for current water year, also occurred July 23, due to regulation.

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	207	19	57	54	77	117	884	67	70	43	107	35
2	151	19	53	65	86	100	1270	54	183	28	73	29
3	115	18	64	44	70	97	1690	48	288	20	52	25
4	95	17	56	54	64	206	1040	46	259	29	40	24
5	82	20	54	49	104	459	591	41	159	201	32	22
6	76	18	49	59	100	531	403	32	105	400	25	21
7	66	19	55	49	109	266	291	37	82	310	22	21
8	51	19	48	60	104	192	236	33	43	173	22	21
9	65	20	46	92	97	173	197	25	31	119	20	21
10	47	63	49	72	102	137	164	24	28	79	20	21
11	24	44	44	64	72	130	145	25	25	60	22	83
12	22	18	71	64	73	115	135	30	23	40	265	141
13	22	18	33	65	85	140	126	29	18	29	265	124
14	22	32	42	62	99	117	115	28	23	34	408	89
15	24	37	43	65	120	123	103	23	61	23	327	51
16	24	24	57	66	129	161	125	24	99	20	194	38
17	22	37	348	60	193	183	78	23	1010	22	126	29
18	24	32	387	58	224	159	104	25	1780	21	101	22
19	24	40	314	60	264	126	31	30	1010	19	96	21
20	22	65	237	105	218	125	41	31	425	19	84	20
21	23	87	151	167	170	822	49	45	194	18	71	20
22	22	53	169	172	158	1480	49	58	114	18	61	20
23	21	31	98	155	151	1200	51	61	80	18	50	20
24	20	33	89	124	150	698	56	49	60	19	41	26
25	19	53	91	124	157	446	110	39	64	21	34	85
26	20	136	72	81	172	308	179	63	82	23	28	116
27	28	154	70	100	140	213	194	146	113	79	32	105
28	27	131	75	57	126	172	148	152	95	286	62	76
29	21	100	67	57	---	264	109	139	68	295	51	54
30	22	100	96	78	---	740	84	113	49	231	40	44
31	22	---	75	87	---	910	---	70	---	154	41	---
TOTAL	1430	1457	3160	2469	3614	10910	8798	1610	6641	2851	2812	1424
MEAN	46.1	48.6	102	79.6	129	352	293	51.9	221	92.0	90.7	47.5
MAX	207	154	387	172	264	1480	1690	152	1780	400	408	141
MIN	19	17	33	44	64	97	31	23	18	18	20	20
CFSM	.29	.30	.63	.49	.80	2.19	1.82	.32	1.37	.57	.56	.29
IN.	.33	.34	.73	.57	.84	2.52	2.03	.37	1.53	.66	.65	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	83.7	87.4	135	265	307	336	200	119	94.5	88.4	101	99.7
MAX	644	304	404	690	633	803	701	537	359	624	512	1326
(WY)	1965	1996	1973	1987	1998	1989	1987	1989	1965	1984	1986	1999
MIN	2.05	2.76	21.2	39.4	87.5	67.7	24.7	8.08	10.4	3.96	3.18	2.52
(WY)	1981	1974	1966	1981	1986	1981	1986	1981	1970	1981	1980	1968

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1964 - 2001
ANNUAL TOTAL	64286	47176	
ANNUAL MEAN	176	129	158
HIGHEST ANNUAL MEAN			278
LOWEST ANNUAL MEAN			35.5
HIGHEST DAILY MEAN	1560	Sep 27	13000
LOWEST DAILY MEAN	12	Sep 17	.04
ANNUAL SEVEN-DAY MINIMUM	19	Nov 1	.04
MAXIMUM PEAK FLOW		1920	24000*
MAXIMUM PEAK STAGE		10.31	24.82*
INSTANTANEOUS LOW FLOW		17*	.04*
ANNUAL RUNOFF (CFSM)	1.09	.80	.98
ANNUAL RUNOFF (INCHES)	14.85	10.90	13.32
10 PERCENT EXCEEDS	444	261	386
50 PERCENT EXCEEDS	97	65	70
90 PERCENT EXCEEDS	22	21	11

* See REMARKS.

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC--Continued

