

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC

LOCATION.--Lat 35°41'28", long 78°06'35", 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.

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

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

GAGE.--Water-stage recorder. Datum of gage is 116.83 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. 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 year also occurred May 31.

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	24	265	86	114	136	378	128	58	42	45	44	2,620
2	42	165	75	124	133	347	113	159	38	45	42	1,550
3	19	125	46	128	176	275	118	668	35	44	37	568
4	29	104	55	130	280	223	178	790	79	44	36	269
5	20	88	112	136	298	187	100	543	188	45	36	158
6	18	86	142	150	264	180	38	305	130	44	37	128
7	17	88	127	123	448	189	48	179	96	44	36	142
8	17	78	100	91	487	196	52	121	71	43	35	174
9	23	68	94	99	451	155	57	98	59	43	35	957
10	36	58	108	108	307	168	57	77	56	44	34	1,070
11	42	57	368	98	210	135	116	59	53	45	33	840
12	47	70	451	100	217	127	135	45	49	44	33	471
13	39	181	420	106	324	103	282	43	40	45	35	238
14	39	47	601	90	335	92	529	37	36	45	34	154
15	99	24	845	123	329	119	473	33	42	46	27	135
16	31	19	767	92	405	233	298	27	48	44	73	111
17	36	17	635	79	431	451	195	20	48	43	417	110
18	42	18	460	111	415	499	146	21	47	40	483	284
19	37	57	386	114	345	476	119	25	47	40	267	384
20	32	206	300	113	276	378	95	19	45	39	144	362
21	41	269	193	92	262	340	82	20	43	48	99	234
22	65	224	169	91	180	193	69	23	43	57	93	156
23	39	162	152	96	161	147	62	70	42	56	119	116
24	17	137	176	78	149	132	51	79	41	56	124	85
25	17	106	181	69	137	124	42	63	44	56	91	68
26	18	84	167	109	135	116	54	54	46	54	66	55
27	20	76	145	110	197	113	97	44	44	53	62	48
28	24	108	134	136	261	104	75	53	45	53	60	76
29	271	132	127	93	349	96	66	21	46	47	62	96
30	502	57	140	114	---	87	59	16	45	24	625	106
31	438	---	110	132	---	94	---	26	---	31	2,510	---
TOTAL	2,141	3,176	7,872	3,349	8,098	6,457	3,934	3,796	1,688	1,407	5,829	11,765
MEAN	69.1	106	254	108	279	208	131	122	56.3	45.4	188	392
MAX	502	269	845	150	487	499	529	790	188	57	2,510	2,620
MIN	17	17	46	69	133	87	38	16	35	24	27	48
CFSM	0.43	0.66	1.58	0.67	1.73	1.29	0.81	0.76	0.35	0.28	1.17	2.44
IN.	0.49	0.73	1.82	0.77	1.87	1.49	0.91	0.88	0.39	0.33	1.35	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	83.7	90.7	140	259	305	336	203	119	95.1	87.3	110	107
MAX	644	304	404	690	633	803	701	537	359	624	512	1,326
(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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	99,960.9		59,512		160	
ANNUAL MEAN	274		163		299	
HIGHEST ANNUAL MEAN					35.5	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	2,370	Aug 12	2,620	Sep 1	13,000	Sep 17, 1999
LOWEST DAILY MEAN	4.2	May 15	16	May 30	0.04	Sep 9, 1976
ANNUAL SEVEN-DAY MINIMUM	20	Jul 23	20	Oct 3	0.04	Sep 8, 1976
MAXIMUM PEAK FLOW			3,010	Sep 1	24000*	Sep 17, 1999
MAXIMUM PEAK STAGE			12.94	Sep 1	24.82*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			14*	May 30	0.04*	Sep 9, 1976
ANNUAL RUNOFF (CFSM)	1.70		1.01		0.992	
ANNUAL RUNOFF (INCHES)	23.10		13.75		13.48	
10 PERCENT EXCEEDS	652		380		386	
50 PERCENT EXCEEDS	141		94		70	
90 PERCENT EXCEEDS	32		34		11	

* See REMARKS.

