Water-Data Report 2011

02091500 CONTENTNEA CREEK AT HOOKERTON, NC

Neuse Basin
Contentnea Subbasin

LOCATION.--Lat 35°25′44″, long 77°34′57″ referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, on left bank at bridge on North Carolina Highway 123 at Hookerton, and 2.2 mi upstream from Wheat Swamp Creek.

DRAINAGE AREA.--733 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1928 to current year.

REVISED RECORDS.--WSP 1333: 1930-35. WSP 1383: Drainage area. WSP 1503: 1951. WSP 1723: 1932. WDR NC-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.85 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to November 26, 1934, nonrecording gage at site 1,400 ft upstream at present datum. November 27, 1934 to September 30, 1987, water-stage recorder at site 0.3 mi upstream at present datum. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for June through September, which are poor. Flow regulated by Buckhorn Reservoir since September 1976. Maximum gage height for period of record from high-water mark inside gage house. Minimum discharge for period of record also occurred September 25.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 1928 reached a stage of 23.3 ft, from floodmark; high water of autumn 1924 was about 0.1 ft lower, from information by local resident.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 02091500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/02091500.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,140	219	178	314	295	315	874	592	83	46	68	2,530
2	2,250	207	203	313	282	366	961	595	73	49	81	2,600
3	2,650	196	205	321	273	433	1,050	547	64	54	131	2,590
4	3,600	194	214	322	285	451	1,130	463	56	49	133	2,410
5	4,220	213	212	315	416	419	1,190	376	53	46	103	1,930
6	4,230	237	208	312	691	388	1,190	311	54	39	103	1,440
7	3,890	262	207	316	800	392	1,080	274	48	59	182	1,060
8	3,340	249	207	326	908	447	864	247	43	767	164	944
9	2,560	232	204	331	979	575	759	223	39	1,310	162	786
10	1,780	223	207	320	1,000	684	711	201	36	1,390	e165	656
11	1,090	213	201	313	949	754	779	183	39	1,130	e124	522
12	658	203	223	317	775	755	864	167	38	651	101	453
13	415	197	265	305	625	741	912	154	85	320	116	383
14	343	187	305	286	541	745	922	147	117	197	105	315
15	310	176	328	278	474	734	873	156	121	152	233	271
16	292	170	318	277	428	678	720	208	124	125	346	255
17	280	167	317	264	391	595	634	268	115	111	365	239
18	264	163	330	265	367	513	652	269	98	98	286	220
19	250	159	370	269	344	453	657	242	79	85	231	202
20	239	161	382	285	322	404	619	211	83	74	210	188
21	227	161	370	296	308	367	559	181	76	69	186	178
22	212	160	341	299	305	337	478	158	68	64	152	170
23	204	158	310	293	300	311	414	141	66	58	135	169
24	198	158	285	280	279	302	376	125	64	58	117	196
25	197	159	261	269	264	310	349	118	55	65	102	225
26	244	159	250	267	259	337	322	126	52	57	93	255
27	264	162	261	268	252	380	321	113	55	54	1,350	262
28	268	163	270	275	256	411	335	104	78	50	3,490	253
29	253	161	282	292	---	437	448	102	56	52	3,280	295
30	238	160	302	305	---	459	541	93	46	54	2,890	263
31	229	---	318	304	---	654	---	90	---	53	2,610	---
Total	37,335	5,629	8,334	9,197	13,368	15,147	21,584	7,185	2,064	7,386	17,814	22,260
Mean	1,204	188	269	297	477	489	719	232	68.8	238	575	742
Max	4,230	262	382	331	1,000	755	1,190	595	124	1,390	3,490	2,600
Min	197	158	178	264	252	302	321	90	36	39	68	169
Cfsm	1.64	0.26	0.37	0.40	0.65	0.67	0.98	0.32	0.09	0.33	0.78	1.01
In.	1.89	0.29	0.42	0.47	0.68	0.77	1.10	0.36	0.10	0.37	0.90	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	494	484	693	1,092	1,337	1,405	1,020	581	455	520	601	629
Max	4,798	2,435	2,349	2,626	4,316	3,491	2,752	3,363	1,770	2,203	2,422	8,825
(WY)	(2000)	(2007)	(1949)	(1993)	(1948)	(1989)	(1989)	(1989)	(1995)	(1929)	(1960)	(1999)
Min	20.3	41.1	64.7	92.5	239	343	202	82.9	38.5	63.3	37.2	24.9
(WY)	(1955)	(1955)	(1934)	(1934)	(1934)	(2006)	(1986)	(1986)	(1986)	(1952)	(1954)	(1954)

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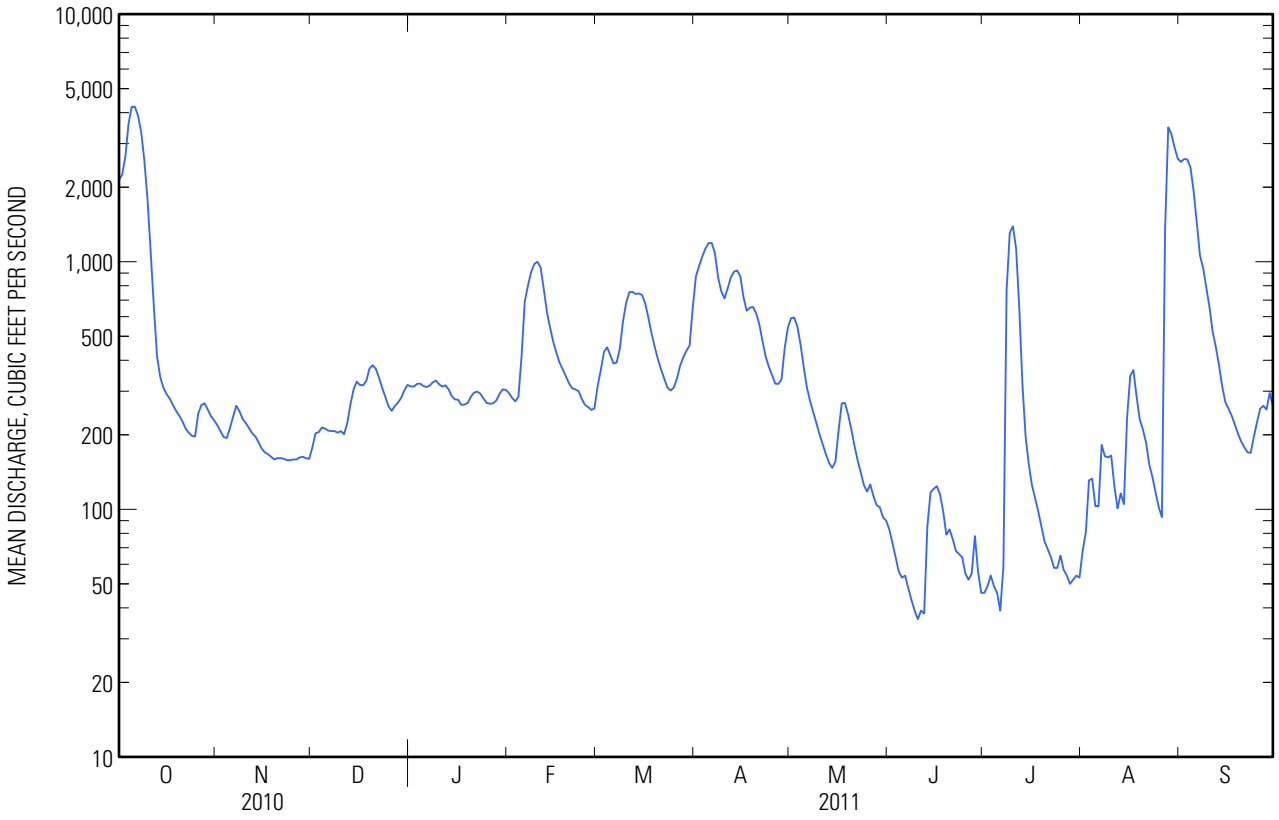
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1929 - 2011	
Annual total	268,623		167,303			
Annual mean	736		458		764	
Highest annual mean					1,422	1960
Lowest annual mean					242	1951
Highest daily mean	4,810	Feb 10	4,230	Oct 6	31,500	Sep 19, 1999
Lowest daily mean	14	Sep 24	36	Jun 10	14	Sep 24, 2010
Annual seven-day minimum	17	Sep 19	42	Jun 6	16	Oct 8, 1954
Maximum peak flow			4,360	Oct 6	31,900	Sep 18, 1999
Maximum peak stage			14.25	Oct 6	[a]28.28	Sep 18, 1999
Instantaneous low flow			31	Jun 10	[a]11	Sep 24, 2010
Annual runoff (cfsm)	1.00		0.625		1.04	
Annual runoff (inches)	13.63		8.49		14.16	
10 percent exceeds	2,210		931		1,860	
50 percent exceeds	262		268		432	
90 percent exceeds	67		69		83	

[a] See Remarks.