

Water-Data Report 2008

0211139110 YADKIN RIVER BELOW W. KERR SCOTT DAM NEAR BUCK, NC

Upper Pee Dee Basin
Upper Yadkin Subbasin

LOCATION.--Lat 36°08'10", long 81°13'24" referenced to North American Datum of 1983, Wilkes County, NC, Hydrologic Unit 03040101, on right bank 500 ft downstream of W. Kerr Scott Reservoir spillway, northeast parking area, 5.5 miles upstream from Reddies River and 1.4 mi south of Buck.

DRAINAGE AREA--367 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2007 to September 2008.

GAGE.--Water-stage recorder. Datum of gage is 1,015 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Considerable regulation caused by W. Kerr Scott Reservoir 500 ft. upstream. Minimum discharge for current water year result of gate slip at the W. Kerr Scott Dam.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	131	137	475	255	244	357	463	191	149	135	914
2	---	131	139	469	240	240	335	356	178	149	136	527
3	---	129	138	461	237	237	288	360	169	151	135	296
4	---	128	137	455	239	243	246	362	154	150	136	210
5	---	127	137	451	239	739	247	324	151	151	137	145
6	---	126	136	448	239	966	261	302	151	153	137	143
7	---	126	136	444	239	267	958	304	150	150	133	147
8	---	125	135	441	238	267	1,180	309	132	145	134	148
9	---	125	135	401	238	822	495	283	169	144	134	171
10	---	125	135	329	234	987	345	253	180	139	134	154
11	---	138	135	325	234	583	348	260	145	134	134	225
12	---	143	134	323	233	581	346	260	144	132	133	398
13	---	143	134	322	235	582	343	262	145	139	136	465
14	---	142	133	319	1,640	581	343	265	144	133	135	458
15	---	140	133	284	259	411	328	266	144	133	133	451
16	---	136	134	265	244	298	317	273	145	136	133	453
17	---	134	131	266	245	415	317	271	144	136	133	498
18	---	133	130	266	246	497	318	271	145	138	132	434
19	---	132	130	265	258	459	317	270	145	139	131	240
20	---	132	129	259	287	434	316	270	145	140	130	241
21	---	132	131	260	269	506	316	269	145	142	129	240
22	---	131	130	259	212	503	315	269	147	136	130	183
23	---	130	148	258	248	502	316	236	147	149	130	138
24	---	130	135	257	246	501	299	210	146	159	129	140
25	---	132	132	257	245	499	282	212	148	130	128	140
26	---	133	131	256	250	496	289	213	147	132	132	143
27	---	133	130	255	247	452	283	213	149	130	223	144
28	---	131	138	255	246	365	284	211	149	132	747	323
29	---	130	138	255	246	364	433	206	150	133	1,330	422
30	---	130	142	253	---	362	566	206	150	134	1,360	420
31	---	---	338	249	---	361	---	207	---	136	1,140	---
Mean	---	132	141	325	293	476	380	272	152	140	266	300
Max	---	143	338	475	1,640	987	1,180	463	191	159	1,360	914
Min	---	125	129	249	212	237	246	206	132	130	128	138

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	132	141	325	293	476	380	272	152	140	266	300
Max	---	132	141	325	293	476	380	272	152	140	266	300
(WY)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	---	132	141	325	293	476	380	272	152	140	266	300
(WY)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

	Water Year 2008	
Highest daily mean	1,640	Feb 14
Lowest daily mean	125	Nov 8
Annual seven-day minimum	126	Nov 4
Maximum peak flow	5,820	Feb 14
Maximum peak stage	9.28	Feb 14
Instantaneous low flow	^a 13	Feb 22

^aSee Remarks.