

Water-Data Report 2007

02118500 HUNTING CREEK NEAR HARMONY, NC

Upper Pee Dee Basin
South Yadkin Subbasin

LOCATION.--Lat 36°00'02", long 80°44'44" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, on right bank 52 ft downstream of bridge on Secondary Road 2115, 0.8 mi downstream of Kennedy Creek, 1 mi east of Houstonville, 2 mi downstream of U.S. Highway 21, and 3.5 mi northeast of Harmony.

DRAINAGE AREA.--155 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1723.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 734.78 ft above NGVD of 1929. Prior to April 5, 1951, nonrecording gage on upstream side of bridge at same datum. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum gage height for period of record, from high-water mark in gage house. Minimum discharge for period of record also occurred September 14, 2002. Minimum discharge for current water year also occurred September 11.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54	95	120	3,090	130	197	151	135	74	98	64	29
2	53	99	116	743	134	2,850	149	131	74	78	58	26
3	50	94	108	372	129	602	144	129	132	72	54	25
4	50	85	105	274	124	352	143	138	184	66	53	24
5	48	83	102	332	122	269	138	143	104	62	51	24
6	59	82	100	332	120	233	138	139	90	82	49	24
7	57	108	100	268	128	211	138	132	85	68	46	24
8	68	559	95	1,130	122	198	137	128	83	62	45	24
9	77	275	93	493	119	186	138	128	80	58	41	24
10	61	173	95	319	118	178	137	128	72	61	40	23
11	58	141	95	254	116	172	146	124	70	117	40	23
12	111	152	93	225	116	163	209	136	77	83	38	23
13	73	133	94	207	127	159	160	128	72	65	37	24
14	59	121	97	196	398	156	151	118	72	64	35	675
15	55	114	94	185	212	150	426	115	75	62	32	485
16	56	1,760	91	176	174	367	560	114	80	57	31	142
17	94	531	89	163	159	396	301	115	75	56	31	94
18	184	273	89	161	152	256	237	115	65	55	30	77
19	105	200	88	162	142	215	211	108	60	58	28	68
20	106	167	86	154	141	198	205	105	67	60	28	63
21	95	148	86	154	144	198	192	102	59	88	27	61
22	82	222	132	214	140	185	179	99	53	58	29	62
23	76	212	297	178	131	176	171	98	51	55	31	57
24	71	169	176	161	128	170	170	98	55	86	30	52
25	69	149	695	153	169	163	161	95	161	121	29	50
26	69	137	609	146	230	159	152	92	107	80	27	49
27	77	129	292	144	173	156	165	89	76	74	27	47
28	307	123	209	141	157	154	155	86	69	100	30	45
29	173	119	175	133	---	160	143	81	82	86	30	41
30	120	116	157	132	---	158	139	77	123	72	32	41
31	103	---	153	131	---	152	---	76	---	72	30	---
Total	2,720	6,769	4,931	10,923	4,255	9,339	5,646	3,502	2,527	2,276	1,153	2,426
Mean	87.7	226	159	352	152	301	188	113	84.2	73.4	37.2	80.9
Max	307	1,760	695	3,090	398	2,850	560	143	184	121	64	675
Min	48	82	86	131	116	150	137	76	51	55	27	23
Cfsm	0.57	1.46	1.03	2.27	0.98	1.94	1.21	0.73	0.54	0.47	0.24	0.52
In.	0.65	1.62	1.18	2.62	1.02	2.24	1.36	0.84	0.61	0.55	0.28	0.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2007, BY WATER YEAR (WY)

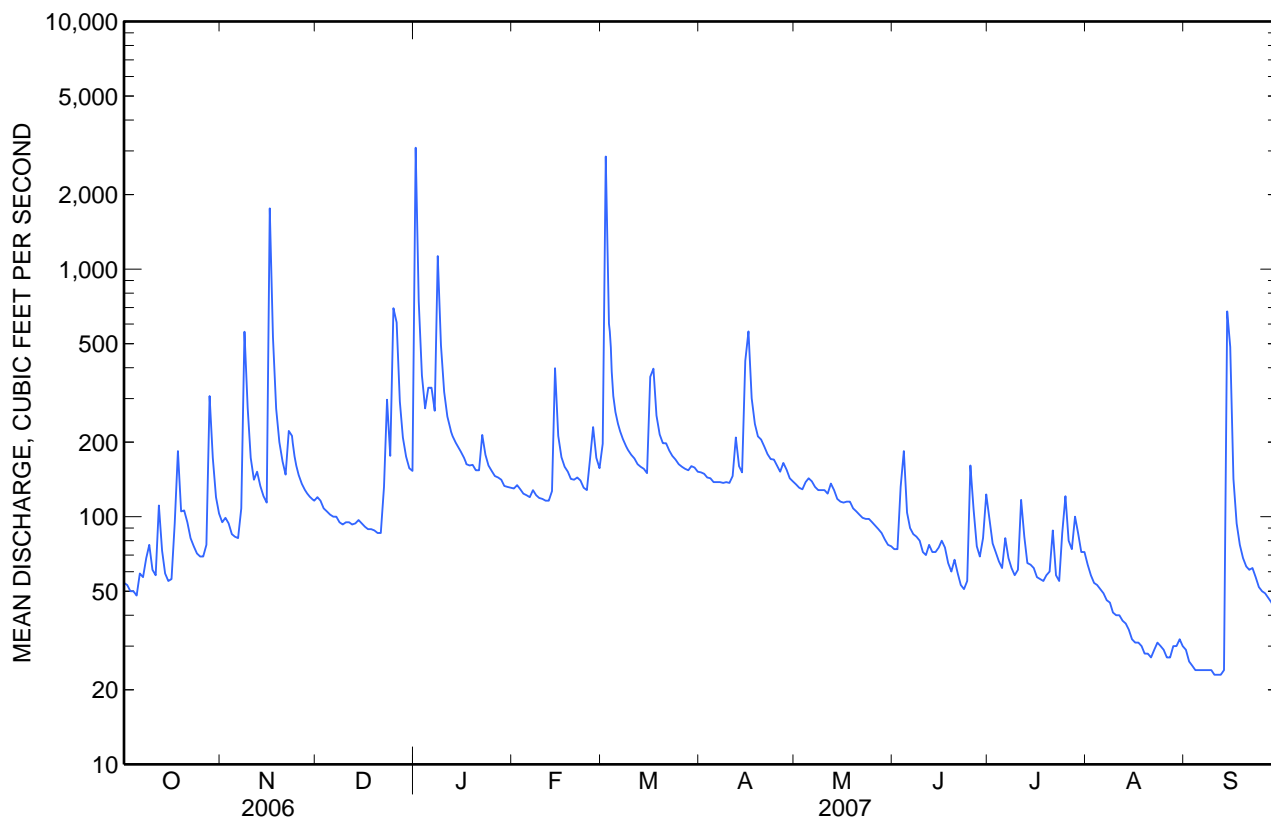
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	149	154	192	228	260	313	290	215	184	143	134	140
Max	654	508	373	585	752	959	713	527	636	355	383	615
(WY)	(1965)	(1978)	(1974)	(1978)	(1960)	(1975)	(1987)	(1990)	(1972)	(1987)	(1970)	(1979)
Min	37.3	43.2	53.1	56.4	76.7	121	83.9	62.4	33.0	29.8	14.5	31.4
(WY)	(2002)	(2002)	(1956)	(1956)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1951 - 2007	
Annual total	47,175		56,467			
Annual mean	129		155		201	
Highest annual mean					346	1960
Lowest annual mean					61.7	2002
Highest daily mean	1,760	Nov 16	3,090	Jan 1	10,400	Sep 22, 1979
Lowest daily mean	39	Aug 29	23	Sep 10	5.4	Sep 13, 2002
Annual seven-day minimum	45	Aug 24	24	Sep 6	7.0	Aug 8, 2002
Maximum peak flow			5,260	Jan 1	14,800	Sep 22, 1979
Maximum peak stage			14.90	Jan 1	^a 25.05	Sep 22, 1979
Instantaneous low flow			22	Sep 10	^a 5.0	Sep 13, 2002
Annual runoff (cfsm)	0.834		0.998		1.29	
Annual runoff (inches)	11.32		13.55		17.58	
10 percent exceeds	193		231		330	
50 percent exceeds	105		115		140	
90 percent exceeds	56		41		67	

^a See Remarks.



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CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--October 2003 to current year.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite telemetry at station.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.02	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	---	---	---
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	---	---
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
5	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	---	---
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	---	---	---
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
11	2.17	0.00	0.00	0.00	0.00	0.00	0.07	0.04	0.01	---	---	---
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	---	---
13	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	---	---	---
14	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	---	---	---
15	0.00	0.04	0.00	0.00	0.00	0.00	0.51	0.00	0.00	---	---	---
16	0.00	0.09	0.00	0.00	0.00	0.01	0.00	0.02	0.42	---	---	---
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	---	---	---	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	---	---	---	---
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	---	---	---	---
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	---	---	---
Total	2.22	0.13	0.00	0.08	0.04	0.01	0.59	0.14	---	---	---	---

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