

Water-Data Report 2008

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.--Records good except those for estimated daily discharges, which are poor. 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 August 25.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	42	81	63	220	178	92	125	110	62	46	39	57
2	43	75	63	155	214	90	114	103	58	37	35	50
3	44	70	63	126	146	90	111	99	58	33	62	46
4	43	68	59	115	187	98	190	96	71	30	42	42
5	45	66	60	113	369	155	268	91	59	45	30	38
6	46	64	60	98	203	126	654	87	53	45	27	37
7	45	62	58	93	161	193	365	85	49	65	26	34
8	42	62	59	89	129	319	244	83	46	50	23	32
9	40	64	60	87	113	217	197	202	44	49	21	38
10	37	64	61	85	101	172	171	119	41	72	20	52
11	35	62	60	93	89	150	154	101	40	74	20	59
12	33	63	59	91	89	137	154	104	44	51	18	59
13	35	64	59	83	124	126	149	90	43	41	21	51
14	37	64	59	80	131	118	132	85	48	83	30	44
15	38	68	60	76	106	120	127	86	82	56	31	37
16	37	65	108	74	100	147	120	95	55	40	37	66
17	38	63	90	85	97	120	116	88	43	35	31	112
18	40	63	70	103	107	112	113	81	37	31	24	63
19	43	63	65	101	98	117	111	87	35	30	22	50
20	44	63	64	93	91	208	155	78	34	28	20	45
21	41	63	73	75	90	171	139	75	33	26	18	42
22	38	66	80	95	89	146	125	70	42	25	17	41
23	40	66	87	83	90	131	117	68	54	31	17	38
24	52	61	144	79	88	122	111	67	41	39	17	37
25	238	61	99	73	90	115	106	67	33	29	17	34
26	646	69	90	74	102	111	e90	64	30	28	30	48
27	468	77	90	73	117	108	e96	70	41	28	641	177
28	172	72	94	72	97	105	e117	92	52	26	304	130
29	117	66	295	72	93	117	142	84	e85	22	133	84
30	99	64	322	73	---	120	117	74	e61	22	88	68
31	87	---	440	69	---	122	---	68	---	36	67	---
Total	2,805	1,979	3,114	2,898	3,689	4,275	4,930	2,769	1,474	1,253	1,928	1,711
Mean	90.5	66.0	100	93.5	127	138	164	89.3	49.1	40.4	62.2	57.0
Max	646	81	440	220	369	319	654	202	85	83	641	177
Min	33	61	58	69	88	90	90	64	30	22	17	32
Cfs/m	0.58	0.43	0.65	0.60	0.82	0.89	1.06	0.58	0.32	0.26	0.40	0.37
In.	0.67	0.47	0.75	0.70	0.89	1.03	1.18	0.66	0.35	0.30	0.46	0.41

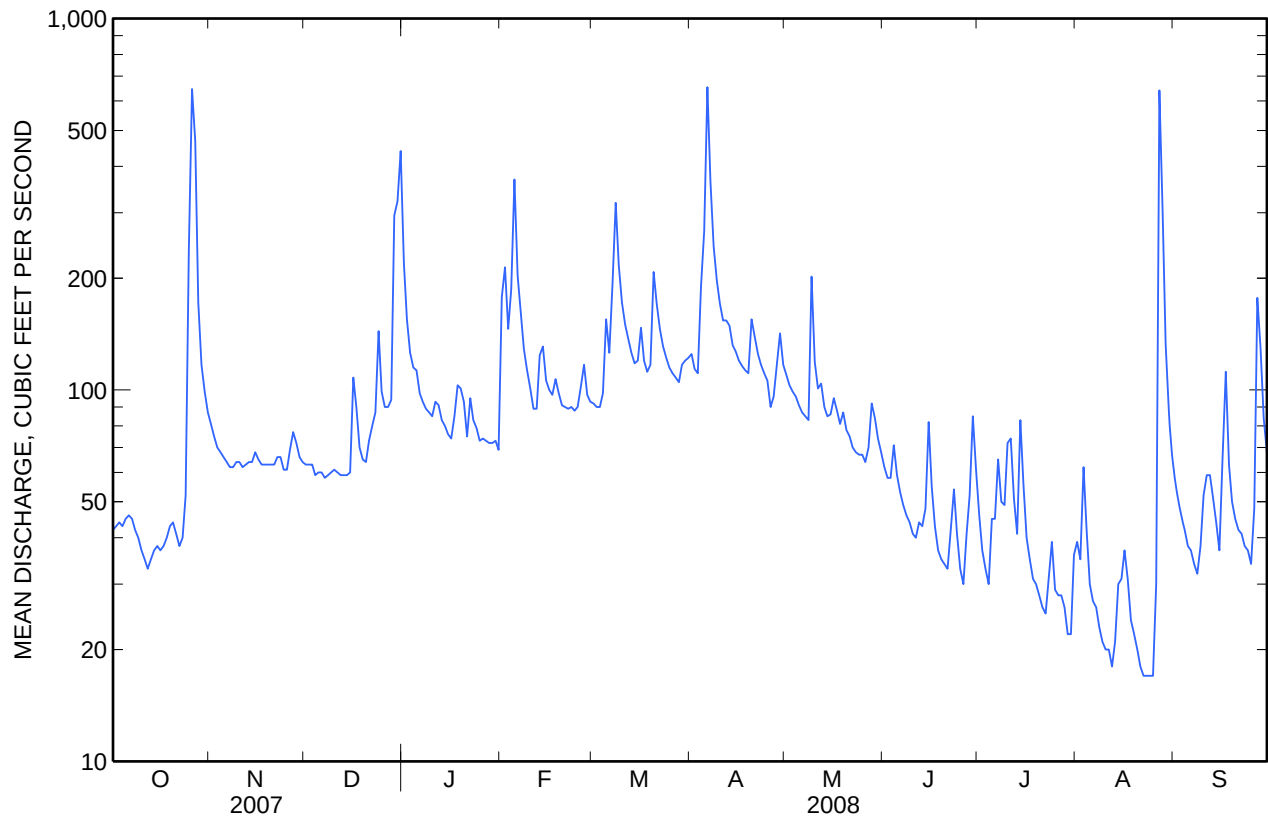
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	148	152	191	226	257	310	288	213	182	141	133	139
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 2007		Water Year 2008		Water Years 1951 - 2008	
Annual total	49,945		32,825			
Annual mean	137		89.7		199	
Highest annual mean					346	1960
Lowest annual mean					61.7	2002
Highest daily mean	3,090	Jan 1	654	Apr 6	10,400	Sep 22, 1979
Lowest daily mean	23	Sep 10	17	Aug 22	5.4	Sep 13, 2002
Annual seven-day minimum	24	Sep 6	18	Aug 19	7.0	Aug 8, 2002
Maximum peak flow			1,300	Aug 27	14,800	Sep 22, 1979
Maximum peak stage			5.51	Aug 27	^a 25.05	Sep 22, 1979
Instantaneous low flow			^a 16	Aug 24	^a 5.0	Sep 13, 2002
Annual runoff (cfs)	0.883		0.579		1.28	
Annual runoff (inches)	11.99		7.88		17.41	
10 percent exceeds	213		151		328	
50 percent exceeds	86		70		139	
90 percent exceeds	37		33		65	

^aSee Remarks.

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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 may be poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	1.20	0.00	0.15	0.00	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00
3	0.00	0.00	0.00	0.00	0.22	0.00	0.68	0.00	0.13	0.00	0.01	0.00
4	0.00	0.00	0.00	0.00	0.49	0.92	0.82	0.00	0.00	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	0.00	0.33	0.00	0.00	0.02	0.00	0.03
6	0.00	0.00	0.00	0.00	0.05	0.00	0.49	0.00	0.00	0.13	0.00	0.00
7	0.00	0.00	0.00	0.00	---	0.97	0.00	0.00	0.00	0.00	0.03	0.00
8	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.45	0.00	0.02	0.00	0.33
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.58	0.00	0.94
10	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.16
11	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.20
12	0.00	0.00	0.00	0.00	0.01	0.00	0.38	0.00	0.00	0.00	0.00	0.01
13	0.00	0.01	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.28	0.29	0.00
14	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.72	0.04	0.00	0.00
15	0.00	0.35	0.59	0.00	0.00	0.45	0.00	0.02	0.00	0.00	0.01	0.00
16	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.96
17	0.00	0.00	0.00	0.18	0.21	0.00	0.00	0.00	0.00	0.00	0.21	0.00
18	0.00	0.00	0.00	0.34	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.00
19	0.25	0.00	0.01	0.02	0.00	0.47	0.47	0.00	0.00	0.00	0.00	0.01
20	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.20	0.00	0.00	0.00	0.09	0.00	0.00	0.16	0.00	0.00
22	0.00	0.21	0.00	0.01	0.01	0.00	0.01	0.00	0.08	0.81	0.00	0.00
23	0.00	0.00	0.45	0.01	0.00	0.00	0.00	0.00	0.05	0.63	0.00	0.00
24	0.64	0.00	0.00	0.00	0.08	0.01	0.00	0.03	0.01	0.01	0.00	0.00
25	2.13	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.16	0.03
26	1.10	0.12	0.20	0.00	0.39	0.00	0.70	0.00	0.00	0.02	1.60	1.38
27	0.01	0.00	0.00	0.00	0.00	0.00	0.14	0.72	0.05	0.00	2.96	0.22
28	0.00	0.00	0.70	0.00	0.00	0.00	0.37	0.24	0.04	0.00	0.01	0.01
29	0.00	0.00	0.04	0.05	0.00	0.43	0.00	0.00	---	0.00	0.01	0.00
30	0.00	0.00	0.95	0.08	---	0.04	0.00	0.00	---	0.12	0.00	0.62
31	0.00	---	0.01	0.00	---	0.66	---	0.09	---	0.62	0.00	---
Total	4.13	0.80	3.30	0.97	---	4.10	4.63	2.16	---	3.68	5.90	4.90

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