

**0211371675 PAULS CREEK ABOVE SECONDARY ROAD 1625 NEAR PINE RIDGE, NC**

Upper Pee Dee Basin  
Upper Yadkin Subbasin

LOCATION.--Lat 36°32'29", long 80°40'16" referenced to North American Datum of 1983, Surry County, NC, Hydrologic Unit 03040101, on left bank, upstream side of private unpaved road approximately 200 feet west of Old Rail Road, 3.4 miles northwest of Toast, and 3.8 miles northeast of Pine Ridge.

DRAINAGE AREA.--20.7 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 2004 to September 2007.

GAGE.--Water-stage recorder. Datum of gage is 1,133 ft above North American Vertical Datum of 1988.

REMARKS.--Records of discharge above 500 ft<sup>3</sup>/s based on step-backwater computations. Records fair except those for estimated daily discharges and those above 500 ft<sup>3</sup>/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES  
[e, estimated]

[illegible]

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

[illegible]

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e66	e48	e56	e49	e45	e75	55	44	29	e30	e50	19
2	e60	e45	e51	e49	e42	e59	84	39	52	e42	e37	18
3	e56	e44	e49	e47	e53	e53	60	38	38	e27	e35	17
4	e56	e57	e47	e45	e54	e48	55	37	35	e41	e34	16
5	e51	e56	e46	e44	e46	e50	52	37	33	e39	e38	16
6	e48	e48	e45	e43	e44	e49	50	37	31	e130	e43	16
7	e46	e47	e45	e42	e43	e48	50	36	36	e270	e40	16
8	e44	e45	e44	e42	e42	e52	50	35	42	e96	e36	15
9	e43	e44	e66	e41	e41	e47	46	34	47	e46	e38	15
10	e43	e43	e170	e42	e42	e46	46	34	e36	e38	e30	15
11	e41	e44	e70	e39	e39	e46	45	38	e37	e33	e23	15
12	e41	e91	e55	e40	e39	e46	44	33	e38	e36	23	14
13	e130	e83	e50	e43	e39	e45	54	34	e41	e38	22	15
14	e99	e55	e47	e274	e45	e47	51	35	e37	e35	22	15
15	e55	e51	e46	e79	e43	e45	45	37	e32	e31	21	15
16	e51	e50	e45	e67	e42	e47	42	35	e29	e36	35	18
17	e49	e49	e44	e59	e42	e51	41	33	e28	e44	32	18
18	e48	e48	e44	e53	e41	e49	41	33	e27	e33	26	16
19	e47	e47	e45	e51	e44	e47	41	33	e28	e41	25	15
20	e48	e46	e43	e51	e42	e47	40	51	e27	e57	24	17
21	e47	e46	e44	e51	e44	e46	43	35	e31	e41	22	17
22	e46	e45	e46	e49	e42	e45	59	33	e34	e35	21	16
23	e49	e44	e210	e48	e40	e70	51	32	e26	e29	21	16
24	e54	e137	e102	e50	e46	e56	43	31	e23	e27	20	15
25	e51	e199	e74	e48	e44	e52	41	30	e23	e24	20	16
26	e48	e64	e63	e45	e40	e51	40	30	e24	e22	19	18
27	e47	e55	e58	e45	e41	e56	40	29	e26	e21	20	17
28	e52	e55	e54	e42	e64	e269	38	29	e28	e21	19	16
29	e53	e51	e51	e43	---	e82	43	29	e27	e25	19	16
30	e54	e48	e50	e46	---	68	42	28	e33	e24	23	15
31	e49	---	e49	e50	---	59	---	28	---	e140	26	---
Total	1,672	1,785	1,909	1,717	1,229	1,851	1,432	1,067	978	1,552	864	483
Mean	53.9	59.5	61.6	55.4	43.9	59.7	47.7	34.4	32.6	50.1	27.9	16.1
Max	130	199	210	274	64	269	84	51	52	270	50	19
Min	41	43	43	39	39	45	38	28	23	21	19	14
Cfsm	2.61	2.87	2.97	2.68	2.12	2.88	2.31	1.66	1.57	2.42	1.35	0.78
In.	3.00	3.21	3.43	3.09	2.21	3.33	2.57	1.92	1.76	2.79	1.55	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

[illegible]

## SUMMARY STATISTICS

	Water Year 2005		Water Years 2004 - 2005	
Annual total	16,539			
Annual mean	45.3		45.3	
Highest annual mean			45.3	2005
Lowest annual mean			45.3	2005
Highest daily mean	274	Jan 14	576	Sep 8, 2004
Lowest daily mean	14	Sep 12	14	Sep 12, 2005
Annual seven-day minimum	15	Sep 8	15	Sep 8, 2005
Annual runoff (cfsm)	2.19		2.19	
Annual runoff (inches)	29.72		29.74	
10 percent exceeds	57		57	
50 percent exceeds	43		43	
90 percent exceeds	21		21	

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006  
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	18	39	30	31	24	24	24	23	43	16	19
2	13	18	34	34	31	25	24	24	21	36	16	14
3	13	19	31	36	33	24	26	23	19	31	15	14
4	13	19	32	33	35	24	24	22	16	55	15	41
5	14	19	38	33	33	23	23	22	16	52	14	66
6	17	20	34	32	31	24	23	23	15	46	14	25
7	75	19	31	31	31	23	24	24	14	33	15	19
8	247	19	30	31	30	23	25	24	14	29	15	17
9	39	20	40	31	30	23	24	22	14	27	14	16
10	32	21	34	30	29	24	24	21	13	27	16	19
11	30	21	33	44	31	23	24	22	15	28	24	17
12	26	21	31	36	30	23	24	21	18	27	26	19
13	25	22	30	52	29	24	24	20	15	33	18	69
14	23	22	29	74	29	25	24	22	15	58	17	58
15	22	23	48	46	29	23	24	21	14	43	22	31
16	21	29	51	41	28	23	24	20	13	30	19	24
17	20	24	40	40	28	23	29	20	13	25	16	21
18	20	22	36	54	27	23	27	19	13	22	15	19
19	20	22	34	43	27	23	25	19	13	20	15	18
20	20	22	32	40	27	24	25	20	13	40	20	16
21	20	26	31	39	27	28	26	18	13	24	17	16
22	20	40	30	37	26	25	49	17	12	23	16	16
23	19	26	29	37	26	24	29	17	12	20	14	16
24	19	24	29	36	25	24	26	16	14	19	13	17
25	19	22	32	34	25	24	26	17	22	24	13	17
26	19	22	30	33	25	24	26	17	342	22	11	15
27	19	22	29	33	25	24	40	16	557	20	11	15
28	18	40	29	32	25	24	30	16	208	19	11	21
29	18	124	38	34	---	24	27	16	111	19	12	19
30	18	55	32	33	---	24	25	16	56	18	12	16
31	18	---	31	33	---	24	---	16	---	17	35	---
Total	911	821	1,047	1,172	803	740	795	615	1,654	930	507	710
Mean	29.4	27.4	33.8	37.8	28.7	23.9	26.5	19.8	55.1	30.0	16.4	23.7
Max	247	124	51	74	35	28	49	24	557	58	35	69
Min	13	18	29	30	25	23	23	16	12	17	11	14
Cfsm	1.42	1.32	1.63	1.83	1.39	1.15	1.28	0.96	2.66	1.45	0.79	1.14
In.	1.64	1.48	1.88	2.11	1.44	1.33	1.43	1.11	2.97	1.67	0.91	1.28

## 0211371675 PAULS CREEK ABOVE SECONDARY ROAD 1625 NEAR PINE RIDGE, NC—Continued

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	41.7	43.4	47.7	46.6	36.3	41.8	37.1	27.1	43.9	40.0	22.1	40.8
<b>Max</b>	53.9	59.5	61.6	55.4	43.9	59.7	47.7	34.4	55.1	50.1	27.9	82.7
<b>(WY)</b>	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2006)	(2005)	(2005)	(2004)
<b>Min</b>	29.4	27.4	33.8	37.8	28.7	23.9	26.5	19.8	32.6	30.0	16.4	16.1
<b>(WY)</b>	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2005)	(2006)	(2006)	(2005)

## SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 2004 - 2006	
<b>Annual total</b>	13,952		10,705			
<b>Annual mean</b>	38.2		29.3		37.3	
<b>Highest annual mean</b>					45.3	
<b>Lowest annual mean</b>					29.3	
<b>Highest daily mean</b>	274	Jan 14	557	Jun 27	576	Sep 8, 2004
<b>Lowest daily mean</b>	13	Oct 2	11	Aug 26	11	Aug 26, 2006
<b>Annual seven-day minimum</b>	14	Sep 29	12	Aug 24	12	Aug 24, 2006
<b>Maximum peak flow</b>			1,880	Jun 26	1,880	Jun 26, 2006
<b>Maximum peak stage</b>			6.77	Jun 26	6.77	Jun 26, 2006
<b>Instantaneous low flow</b>			9.2	Aug 28		
<b>Annual runoff (cfsm)</b>	1.85		1.42		1.80	
<b>Annual runoff (inches)</b>	25.07		19.24		24.50	
<b>10 percent exceeds</b>	52		40		53	
<b>50 percent exceeds</b>	35		24		31	
<b>90 percent exceeds</b>	18		15		16	

## 0211371675 PAULS CREEK ABOVE SECONDARY ROAD 1625 NEAR PINE RIDGE, NC—Continued

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	17	22	31	294	29	65	39	35	52	18	13	31
2	15	26	22	81	29	362	39	34	33	16	13	13
3	14	21	20	62	27	76	38	34	78	16	13	12
4	14	20	19	55	27	58	37	36	47	16	13	11
5	23	20	18	66	26	53	36	36	34	15	13	11
6	32	19	18	60	27	50	36	34	31	15	13	11
7	19	34	17	59	26	47	36	33	29	14	12	10
8	21	57	16	103	25	45	35	32	28	14	12	10
9	18	35	16	65	25	43	35	32	27	22	11	10
10	16	30	16	56	25	43	35	31	25	33	11	10
11	16	28	16	50	24	42	41	31	26	17	11	10
12	17	30	16	47	25	40	51	31	27	16	11	10
13	15	26	17	45	30	39	38	30	26	14	10	9.8
14	15	25	16	43	53	39	37	29	27	14	10	91
15	15	24	16	41	31	39	75	28	32	21	9.8	30
16	16	352	16	39	28	135	64	29	29	17	9.8	17
17	34	60	15	36	27	69	47	29	26	16	9.7	15
18	24	38	15	36	26	55	44	28	24	16	9.4	14
19	19	30	15	35	25	51	43	27	24	14	9.4	13
20	30	26	15	34	26	48	42	26	31	14	9.5	13
21	21	23	15	35	29	47	39	26	24	13	9.5	13
22	19	25	143	36	26	45	38	26	23	13	10	14
23	18	24	66	35	24	44	38	25	23	13	11	13
24	18	21	35	33	24	43	37	25	23	17	11	13
25	17	20	69	32	31	42	37	25	24	19	12	13
26	17	19	53	31	29	41	37	26	23	16	16	13
27	38	19	38	31	26	41	43	25	22	15	13	12
28	73	18	33	31	25	40	38	23	24	15	11	12
29	33	18	30	29	---	43	36	23	36	14	11	12
30	27	18	28	29	---	40	35	24	24	14	11	12
31	25	---	45	28	---	39	---	70	---	13	11	---
<b>Total</b>	696	1,128	905	1,657	775	1,864	1,226	943	902	500	350.1	478.8
<b>Mean</b>	22.5	37.6	29.2	53.5	27.7	60.1	40.9	30.4	30.1	16.1	11.3	16.0
<b>Max</b>	73	352	143	294	53	362	75	70	78	33	16	91
<b>Min</b>	14	18	15	28	24	39	35	23	22	13	9.4	9.8
<b>Cfsm</b>	1.08	1.82	1.41	2.58	1.34	2.90	1.97	1.47	1.45	0.78	0.55	0.77
<b>In.</b>	1.25	2.03	1.63	2.98	1.39	3.35	2.20	1.69	1.62	0.90	0.63	0.86

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	35.3	41.5	41.5	48.9	33.4	47.9	38.4	28.2	39.3	32.1	18.5	34.6
<b>Max</b>	53.9	59.5	61.6	55.4	43.9	60.1	47.7	34.4	55.1	50.1	27.9	82.7
<b>(WY)</b>	(2005)	(2005)	(2005)	(2005)	(2005)	(2007)	(2005)	(2005)	(2006)	(2005)	(2005)	(2004)
<b>Min</b>	22.5	27.4	29.2	37.8	27.7	23.9	26.5	19.8	30.1	16.1	11.3	16.0
<b>(WY)</b>	(2007)	(2006)	(2007)	(2006)	(2007)	(2006)	(2006)	(2006)	(2007)	(2007)	(2007)	(2007)

## 0211371675 PAULS CREEK ABOVE SECONDARY ROAD 1625 NEAR PINE RIDGE, NC—Continued

## SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2004 - 2007	
Annual total	10,655		11,424.9			
Annual mean	29.2		31.3		35.3	
Highest annual mean					45.3	
Lowest annual mean					29.3	
Highest daily mean	557	Jun 27	362	Mar 2	576	Sep 8, 2004
Lowest daily mean	11	Aug 26	9.4	Aug 18	9.4	Aug 18, 2007
Annual seven-day minimum	12	Aug 24	9.6	Aug 15	9.6	Aug 15, 2007
Annual runoff (cfsm)	1.41		1.51		1.71	
Annual runoff (inches)	19.15		20.53		23.18	
10 percent exceeds	39		50		52	
50 percent exceeds	24		26		29	
90 percent exceeds	15		12		15	