

Water-Data Report 2010

**02089192 NEUSE RIVER AT WHITEHALL, NC**

Neuse Basin  
Middle Neuse Subbasin

LOCATION.--Lat 35°13'47", long 77°50'47" referenced to North American Datum of 1983, Wayne County, NC, Hydrologic Unit 03020202, at bridge on Secondary Road 1731 at Whitehall, and 2 mi below Mill Creek.

DRAINAGE AREA.--2,505 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--December 2005 to current year.

GAGE.--Water-stage recorder. Datum of gage is 28.84 ft above North American Vertical Datum of 1988. Satellite telemetry at streamgage.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.68 ft, November 29, 2006; minimum gage height, 2.92 ft, October 14, 15, 2007.

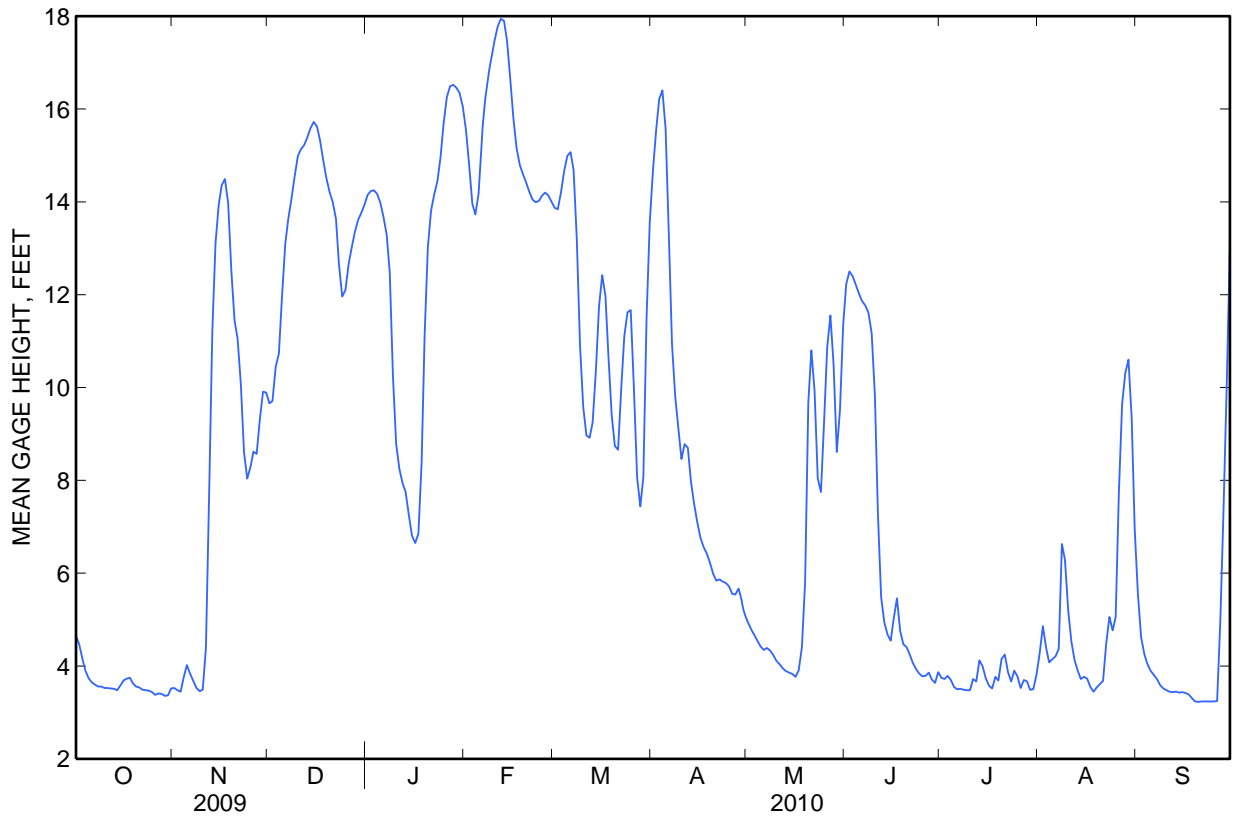
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.00 ft, February 13; minimum gage height, 3.21 ft, September 20, 26.

## 02089192 NEUSE RIVER AT WHITEHALL, NC—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.65	3.53	9.66	14.15	15.56	13.87	14.68	4.93	12.23	3.75	4.28	5.55
2	4.47	3.48	9.71	14.23	14.80	13.84	15.55	4.80	12.50	3.72	4.86	4.62
3	4.16	3.45	10.44	14.25	13.96	14.20	16.21	4.66	12.40	3.79	4.40	4.26
4	3.90	3.77	10.73	14.17	13.73	14.66	16.40	4.54	12.21	3.70	4.08	4.05
5	3.74	4.02	11.99	13.98	14.17	14.99	15.58	4.42	12.02	3.55	4.15	3.90
6	3.65	3.84	13.10	13.67	15.29	15.07	13.31	4.35	11.86	3.50	4.21	3.81
7	3.60	3.68	13.64	13.29	16.17	14.68	10.94	4.39	11.77	3.51	4.37	3.72
8	3.56	3.53	14.07	12.48	16.67	13.20	9.81	4.33	11.61	3.49	6.63	3.59
9	3.56	3.46	14.56	10.24	17.08	10.92	9.15	4.23	11.17	3.48	6.29	3.52
10	3.53	3.49	14.99	8.78	17.47	9.59	8.46	4.11	9.84	3.48	5.21	3.48
11	3.53	4.39	15.14	8.25	17.77	8.97	8.78	4.04	7.28	3.72	4.53	3.45
12	3.52	7.68	15.22	7.94	17.94	8.92	8.70	3.95	5.49	3.67	4.13	3.44
13	3.51	11.21	15.39	7.75	17.90	9.25	7.96	3.89	4.94	4.12	3.90	3.45
14	3.48	13.11	15.59	7.26	17.47	10.35	7.50	3.86	4.68	4.00	3.72	3.43
15	3.58	13.94	15.72	6.81	16.65	11.75	7.10	3.83	4.55	3.74	3.77	3.44
16	3.69	14.36	15.62	6.65	15.79	12.42	6.76	3.77	5.03	3.58	3.73	3.42
17	3.73	14.49	15.33	6.85	15.15	11.97	6.56	3.91	5.46	3.52	3.55	3.39
18	3.75	13.97	14.90	8.37	14.79	10.66	6.42	4.41	4.76	3.77	3.45	3.31
19	3.62	12.51	14.51	11.13	14.60	9.41	6.23	5.81	4.47	3.69	3.54	3.24
20	3.56	11.44	14.21	13.02	14.42	8.74	5.99	9.68	4.41	4.16	3.61	3.23
21	3.54	11.05	13.99	13.81	14.22	8.66	5.84	10.80	4.25	4.25	3.68	3.24
22	3.49	10.09	13.63	14.16	14.05	10.0	5.87	9.93	4.07	3.87	4.49	3.24
23	3.48	8.61	12.63	14.45	13.99	11.11	5.82	8.04	3.94	3.67	5.06	3.24
24	3.47	8.04	11.96	14.95	14.02	11.62	5.79	7.75	3.84	3.90	4.77	3.24
25	3.44	8.28	12.10	15.70	14.13	11.67	5.72	9.30	3.78	3.78	5.06	3.24
26	3.38	8.62	12.66	16.26	14.20	9.98	5.56	10.87	3.79	3.53	7.74	3.25
27	3.41	8.57	13.03	16.49	14.14	8.06	5.54	11.55	3.86	3.70	9.63	4.97
28	3.40	9.31	13.35	16.52	14.00	7.44	5.67	10.49	3.71	3.67	10.31	7.36
29	3.36	9.91	13.61	16.46	---	8.07	5.41	8.61	3.64	3.49	10.60	10.05
30	3.37	9.89	13.76	16.35	---	11.50	5.12	9.53	3.87	3.50	9.34	13.09
31	3.52	---	13.94	16.06	---	13.56	---	11.36	---	3.81	6.94	---
<b>Mean</b>	3.63	8.19	13.52	12.40	15.36	11.26	8.61	6.46	6.91	3.71	5.29	4.31
<b>Max</b>	4.65	14.49	15.72	16.52	17.94	15.07	16.40	11.55	12.50	4.25	10.60	13.09
<b>Min</b>	3.36	3.45	9.66	6.65	13.73	7.44	5.12	3.77	3.64	3.48	3.45	3.23

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## CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--December 2005 to current year.

INSTRUMENTATION.--Tipping-bucket raingage. Satellite telemetry at station.

REMARKS.--Precipitation collected during freezing periods may not be accurately reflected in the daily record.

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY SUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.21	0.00	0.00	---	0.00	0.00	0.00	0.16	0.20	0.81	0.00
2	0.00	0.00	1.18	0.00	---	1.04	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.06	0.00	0.03	0.57	0.00	0.00	0.00	0.00	0.00	0.01
4	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00
5	0.20	0.00	0.71	0.00	1.97	0.00	0.00	0.01	0.00	0.00	0.60	0.00
6	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
8	0.00	0.00	0.13	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	1.40	0.00	0.22	0.00	0.77	0.00	0.00	0.21	0.00	0.00
10	0.03	1.87	0.00	0.00	0.05	0.02	0.00	0.00	0.00	0.29	0.00	0.00
11	0.07	3.01	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.05	0.06
12	0.06	0.36	0.00	0.00	---	0.05	0.00	0.00	0.00	0.02	0.00	0.14
13	0.00	0.06	0.13	0.00	---	0.09	0.00	0.00	0.22	0.01	0.00	0.00
14	0.34	0.01	0.00	0.00	---	0.00	0.00	0.00	0.01	0.33	0.00	0.00
15	0.13	0.00	0.02	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.87	0.00	0.00	0.00
17	0.00	0.00	0.00	1.54	0.00	0.00	0.00	1.20	0.00	0.12	0.00	0.00
18	0.00	0.51	0.41	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.49	0.00
19	0.00	0.53	0.24	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.09	0.00
20	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.32	0.00
21	0.00	0.00	0.00	0.81	0.00	0.00	0.35	0.00	0.01	0.15	0.00	0.00
22	0.00	0.39	0.00	0.18	0.40	0.25	0.00	0.00	0.04	0.01	0.89	0.00
23	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.14	0.00	0.00
24	0.00	0.00	0.00	0.01	0.15	0.00	0.00	0.11	0.00	0.00	0.00	0.00
25	0.00	0.00	1.05	1.40	0.03	0.00	0.11	0.01	0.02	0.00	0.19	0.00
26	0.09	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	1.38
27	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	1.66
28	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.65
29	0.00	0.00	0.00	0.00	---	1.05	0.00	0.36	1.21	0.02	0.00	4.23
30	0.01	0.08	0.04	---	---	0.00	0.00	0.00	0.32	0.02	0.00	2.73
31	0.05	---	0.65	---	---	0.00	---	0.00	---	0.00	0.00	---
<b>Total</b>	1.13	7.16	6.22	---	---	3.80	1.58	3.35	5.32	1.65	3.46	10.86

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