

Water-Data Report 2008

0208741400 NEUSE RIVER TRIBUTARY AT NORTH RALEIGH WWTP (EASTERN SITE) NEAR AUBURN, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°42'43", long 78°29'12" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, on right bank at upstream side, 0.1 mi upstream from mouth, .7 mi east of Secondary Road 2553 and 3.9 mi northeast of Auburn, at Neuse River Wastewater Treatment Plant.

DRAINAGE AREA.--0.52 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 2007 to May 2008.

GAGE.--Water-stage recorder. Datum of gage is 151.93 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

REMARKS.--Records poor.

0208741400 NEUSE RIVER TRIBUTARY AT NORTH RALEIGH WWTP (EASTERN SITE) NEAR AUBURN, NC—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.287	0.252	0.095	0.015
2	---	---	---	---	---	---	---	---	0.280	0.194	0.162	0.010
3	---	---	---	---	---	---	---	---	1.0	0.162	0.077	0.009
4	---	---	---	---	---	---	---	---	0.235	0.148	0.095	0.008
5	---	---	---	---	---	---	---	---	0.197	0.141	0.107	e0.005
6	---	---	---	---	---	---	---	---	0.188	0.107	0.092	e0.002
7	---	---	---	---	---	---	---	---	0.232	0.110	0.083	e0.001
8	---	---	---	---	---	---	---	---	0.227	0.115	0.067	e0.000
9	---	---	---	---	---	---	---	0.211	0.221	0.127	0.056	e0.000
10	---	---	---	---	---	---	---	0.193	e0.263	0.119	0.055	e0.000
11	---	---	---	---	---	---	---	0.198	0.253	0.119	0.054	e0.000
12	---	---	---	---	---	---	---	0.230	0.230	0.085	0.041	e0.004
13	---	---	---	---	---	---	---	0.218	0.208	0.130	e0.028	e0.006
14	---	---	---	---	---	---	---	0.206	0.212	0.161	0.023	0.812
15	---	---	---	---	---	---	---	0.219	0.212	0.161	0.024	e0.034
16	---	---	---	---	---	---	---	0.220	0.225	0.152	0.044	e0.028
17	---	---	---	---	---	---	---	0.210	e0.218	0.238	0.047	e0.023
18	---	---	---	---	---	---	---	0.160	0.211	1.1	0.030	e0.018
19	---	---	---	---	---	---	---	0.158	e0.190	e0.035	0.029	e0.016
20	---	---	---	---	---	---	---	0.154	0.252	0.035	0.031	e0.014
21	---	---	---	---	---	---	---	0.157	0.235	0.040	0.045	e0.012
22	---	---	---	---	---	---	---	0.155	0.234	0.046	0.035	e0.011
23	---	---	---	---	---	---	---	0.151	0.232	0.052	0.039	e0.010
24	---	---	---	---	---	---	---	0.151	0.227	0.064	0.024	e0.009
25	---	---	---	---	---	---	---	0.147	0.235	0.067	0.022	e0.008
26	---	---	---	---	---	---	---	0.149	0.240	0.068	0.017	e0.008
27	---	---	---	---	---	---	---	0.171	1.2	0.074	0.019	e0.007
28	---	---	---	---	---	---	---	0.185	0.293	0.084	0.015	e0.007
29	---	---	---	---	---	---	---	0.192	0.282	0.081	0.017	e0.007
30	---	---	---	---	---	---	---	0.196	0.355	0.093	0.021	e0.007
31	---	---	---	---	---	---	---	0.287	---	0.117	0.017	---
Total	---	---	---	---	---	---	---	4.318	8.874	4.477	1.511	1.091
Mean	---	---	---	---	---	---	---	0.19	0.30	0.14	0.05	0.04
Max	---	---	---	---	---	---	---	0.287	1.2	1.1	0.162	0.812
Min	---	---	---	---	---	---	---	0.147	0.188	0.035	0.015	0.000
Cfsm	---	---	---	---	---	---	---	0.36	0.57	0.28	0.09	0.07
In.	---	---	---	---	---	---	---	0.31	0.63	0.32	0.11	0.08

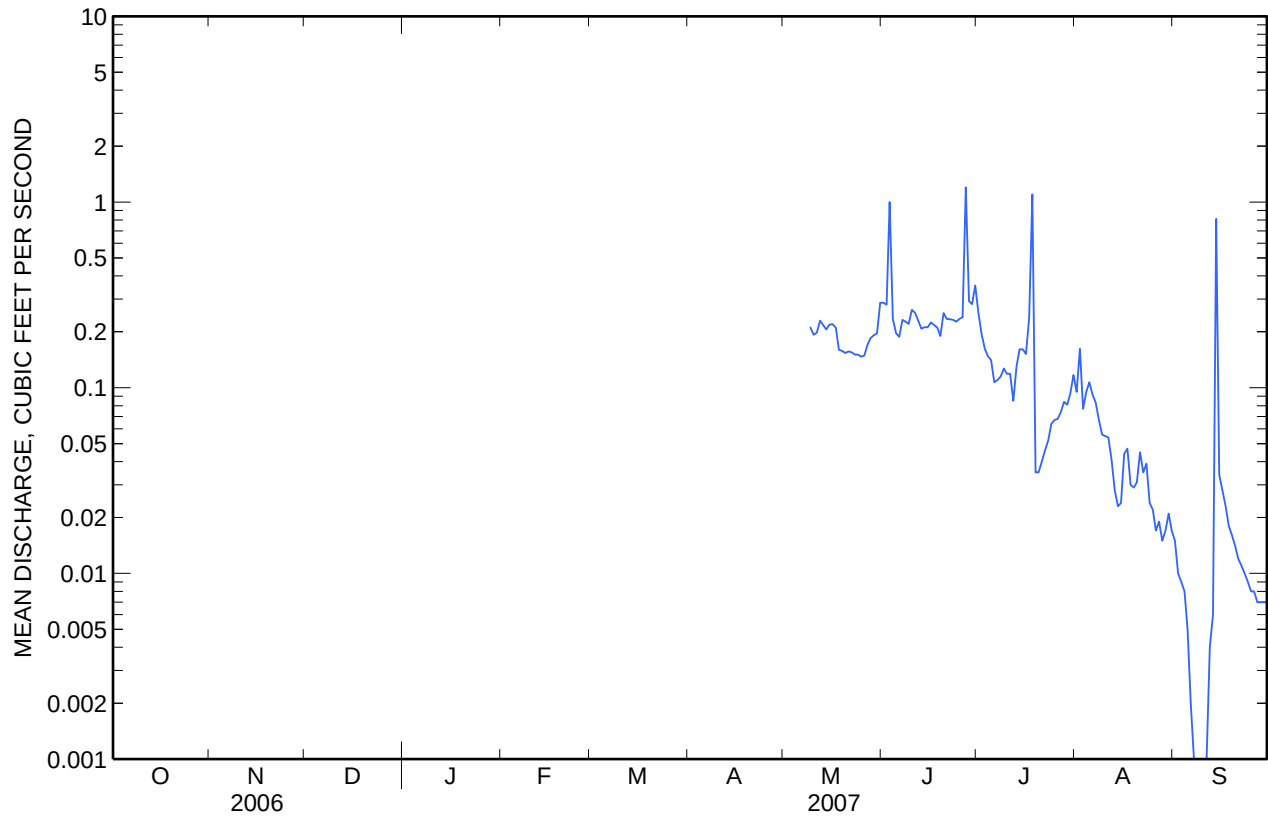
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	0.30	0.14	0.05	0.04
Max	---	---	---	---	---	---	---	---	0.30	0.14	0.05	0.04
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2007)	(2007)	(2007)	(2007)
Min	---	---	---	---	---	---	---	---	0.30	0.14	0.05	0.04
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2007)	(2007)	(2007)	(2007)

0208741400 NEUSE RIVER TRIBUTARY AT NORTH RALEIGH WWTP (EASTERN SITE) NEAR AUBURN, NC—Continued

SUMMARY STATISTICS

	Water Year 2007	
Highest daily mean	1.2	Jun 27
Lowest daily mean	0.000	Sep 8
Annual seven-day minimum	0.001	Sep 6



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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	e0.007	e0.097	e0.084	0.269	0.160	e0.225	0.890	0.472	---	---	---	---
2	e0.006	e0.096	e0.081	0.275	0.184	e0.209	0.555	0.458	---	---	---	---
3	e0.006	e0.092	e0.088	0.266	e0.115	e0.213	0.513	0.617	---	---	---	---
4	e0.007	e0.083	e0.099	0.263	e0.138	e0.216	0.521	0.601	---	---	---	---
5	e0.007	e0.078	e0.081	0.273	e0.197	e0.293	4.3	0.626	---	---	---	---
6	e0.007	e0.081	e0.080	0.309	e0.180	4.6	0.986	0.525	---	---	---	---
7	e0.007	e0.081	e0.080	0.221	e0.161	4.9	0.581	0.437	---	---	---	---
8	e0.007	e0.072	e0.083	0.128	e0.146	0.497	0.439	0.323	---	---	---	---
9	e0.007	e0.069	e0.078	0.096	e0.136	e0.374	0.377	0.367	---	---	---	---
10	e0.008	e0.067	e0.076	0.089	e0.138	e0.310	0.357	0.268	---	---	---	---
11	e0.007	e0.067	e0.081	0.094	e0.144	e0.217	0.308	0.384	---	---	---	---
12	e0.008	e0.066	e0.087	0.081	e0.298	e0.170	0.282	0.276	---	---	---	---
13	e0.007	e0.066	e0.103	0.080	1.1	e0.173	0.301	0.172	---	---	---	---
14	e0.007	e0.065	e0.107	0.081	e0.340	e0.201	0.254	0.161	---	---	---	---
15	e0.007	e0.148	0.478	0.078	e0.247	e0.262	0.219	0.195	---	---	---	---
16	e0.006	e0.116	0.984	0.076	e0.221	e0.504	0.270	0.216	---	---	---	---
17	e0.006	e0.105	0.206	0.128	e0.247	e0.287	0.260	0.141	---	---	---	---
18	e0.135	e0.084	0.187	0.095	e1.0	e0.267	0.237	0.215	---	---	---	---
19	0.113	e0.140	0.194	0.137	e0.272	e0.247	0.241	0.222	---	---	---	---
20	0.067	e0.081	0.194	0.108	e0.201	e0.243	0.325	0.263	---	---	---	---
21	0.051	e0.068	0.200	0.078	e0.197	0.264	0.312	0.181	---	---	---	---
22	e0.046	e0.080	0.208	0.083	e0.221	0.229	0.308	0.129	---	---	---	---
23	e0.041	e0.138	0.330	0.087	e0.209	0.181	0.283	0.133	---	---	---	---
24	0.455	e0.076	0.299	0.077	e0.190	0.209	0.252	0.161	---	---	---	---
25	0.300	e0.084	0.244	0.076	e0.180	0.150	0.227	0.165	---	---	---	---
26	0.912	e0.123	1.3	0.090	e0.277	0.178	0.203	0.171	---	---	---	---
27	2.3	e0.129	e0.573	0.083	e0.442	0.247	0.686	0.185	---	---	---	---
28	0.307	e0.085	e0.347	0.078	e0.316	0.217	2.1	0.232	---	---	---	---
29	0.184	e0.096	e0.372	0.085	e0.247	0.213	1.8	---	---	---	---	---
30	0.143	e0.091	e0.814	0.091	---	0.294	0.695	---	---	---	---	---
31	e0.119	---	0.847	0.077	---	1.6	---	---	---	---	---	---
Total	5.290	2.724	8.985	4.052	7.904	18.190	19.082	8.296	---	---	---	---
Mean	0.17	0.09	0.29	0.13	0.27	0.59	0.64	0.30	---	---	---	---
Max	2.3	0.148	1.3	0.309	1.1	4.9	4.3	0.626	---	---	---	---
Min	0.006	0.065	0.076	0.076	0.115	0.150	0.203	0.129	---	---	---	---
Cfsm	0.33	0.17	0.56	0.25	0.52	1.13	1.22	0.57	---	---	---	---
In.	0.38	0.19	0.64	0.29	0.57	1.30	1.37	0.59	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.17	0.09	0.29	0.13	0.27	0.59	0.64	---	0.30	0.14	0.05	0.04
Max	0.17	0.09	0.29	0.13	0.27	0.59	0.64	---	0.30	0.14	0.05	0.04
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(---)	(2007)	(2007)	(2007)	(2007)
Min	0.17	0.09	0.29	0.13	0.27	0.59	0.64	---	0.30	0.14	0.05	0.04
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(---)	(2007)	(2007)	(2007)	(2007)

0208741400 NEUSE RIVER TRIBUTARY AT NORTH RALEIGH WWTP (EASTERN SITE) NEAR AUBURN, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2007 - 2008	
Highest daily mean	2.3	Oct 27	4.9	Mar 7	4.9	Mar 7, 2008
Lowest daily mean	0.000	Sep 8	0.006	Oct 2	0.000	Sep 8, 2007
Annual seven-day minimum	0.001	Sep 6	0.007	Oct 1	0.001	Sep 6, 2007

