WACCAMAW RIVER BASIN
02110809 WACCAMAW RIVER AT WACHESAW LANDING NEAR MURRELLS INLET, SC--Continued
WATER-QUALITY RECORDS
LOCATION.--Lat $33^{\circ} 33^{\prime} 43^{\prime \prime}$, long $79^{\circ} 05^{\prime} 10^{\prime} '$, Georgetown County, Hydrologic Unit 03040206, near left bank at Wachesaw landing, 0.2 midownstream of Colliins Creek, 3.0 mi west of Murrels Inlet, and at mile 18.0 .

PERIOD OF RECORD.--March 1986 to September 1989, July 2002 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1986 to September 1989, July 2002 to current year.
pH: March 1986 to September 1989 (discontinued).
WATER TEMPERATURE: March 1986 to September 1989 (discontinued).
DISSOLVED OXYGEN: March 1986 to September 1989 (discontinued).
INSTRUMENTATION.--Water-quality multiprobe and data collection platform. Prior to September 30 , 1989 , USGS mini-monitor at same location.

REMARKS.--Specific conductance records rated good.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 7,640 microsiemens, Aug. 9, 2002; minimum, 40 microsiemens, several days in March 1987.
pH: Maximum, 7.6 units, Aug. 24, Oct. 13, 14, 1987; minimum, 5.1 units, several days in July 1986.
WATER TEMPERATURE: Maximum, $31.5^{\circ} \mathrm{C}$, July 20, 21, 1986; minimum, $3.5^{\circ} \mathrm{C}$, Jan. 16, 17, 1988.
DISSOLVED OXYGEN: Maximum, $12.1 \mathrm{mg} / \mathrm{L}, \mathrm{Jan} .20,1988 ; ~ m i n i m u m, 2.6 \mathrm{mg} / \mathrm{L}, \mathrm{Sep} .17,18,1987$.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 270 microsiemens, Oct. 11; minimum, 67 microsiemens, Apr. $19,20$.

| DAY | Specific conductance, |  |  | water, unfiltered, microsiemens per centimeter at 25 degrees Celsius WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | JUNE |  |  | JULY |  |  | GUST |  |  | SEPTEMBER |  |
| 1 | --- | - | --- | --- | --- | --- | 250 | 220 | 237 | --- | --- | --- |
| 2 | --- | --- | --- | --- | --- | --- | 250 | 220 | 240 | 180 | 160 | 167 |
| 3 | --- | --- | --- | --- | --- | --- | 410 | 100 | 257 | 190 | 170 | 175 |
| 4 | --- | --- | --- | --- | --- | --- | 1060 | 240 | 336 | 200 | 170 | 190 |
| 5 | --- | --- | --- | --- | --- | --- | 2560 | 210 | 499 | 200 | 170 | 182 |
| 6 | --- | --- | --- | --- | --- | --- | 3900 | 240 | 795 | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | 6550 | 280 | 1570 | 200 | 180 | 191 |
| 8 | -- | - | --- | --- | --- | --- | 7210 | 350 | 2430 | 200 | 190 | 196 |
| 9 | --- | --- | --- | --- | --- | --- | 7640 | 390 | 2700 | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | 6880 | 370 | 2170 | --- | -- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | -- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 280 | 220 | 221 |
| 14 | -- | -- | --- | --- | --- | --- | 2060 | 250 | 690 | 230 | 220 | 223 |
| 15 | --- | --- | --- | --- | --- | --- | 1460 | 100 | 501 | 220 | 210 | 215 |
| 16 | --- | --- | --- | --- | --- | --- | 1040 | 230 | 380 | 220 | 200 | 207 |
| 17 | --- | --- | --- | --- | --- | --- | 700 | 230 | 318 | 220 | 180 | 204 |
| 18 | - | --- | --- | --- | --- | --- | --- | --- | --- | 220 | 190 | 202 |
| 19 | - | - | --- | --- | --- | --- | - | --- | --- | 210 | 200 | 202 |
| 20 | --- | --- | --- | --- | --- | --- | 830 | 240 | 356 | 210 | 200 | 203 |
| 21 | --- | --- | --- | --- | --- | --- | 870 | 240 | 341 | 210 | 200 | 209 |
| 22 | - | --- | --- | --- | --- | --- | --- | --- | --- | 210 | 200 | 208 |
| 23 | -- | -- | --- | 210 | 190 | 199 | --- | --- | --- | 210 | 200 | 206 |
| 24 | --- | --- | --- | 210 | 190 | 202 | --- | --- | --- | 210 | 200 | 206 |
| 25 | -- | --- | --- | 220 | 190 | 205 | 730 | 250 | 363 | 220 | 200 | 205 |
| 26 | --- | --- | --- | 220 | 190 | 206 | 790 | 240 | 384 | 210 | 190 | 196 |
| 27 | - | --- | --- | 220 | 200 | 207 | 550 | 250 | 310 | 200 | 180 | 189 |
| 28 | --- | --- | --- | 220 | 200 | 211 | 380 | 210 | 255 | 190 | 170 | 182 |
| 29 | --- | --- | --- | 230 | 200 | 218 | 240 | 180 | 204 | 190 | 170 | 178 |
| 30 | -- | --- | --- | 250 | 200 | 224 | 190 | 160 | 176 | 190 | 170 | 181 |
| 31 | --- | --- | --- | 250 | 220 | 234 | --- | - | -- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

02110809 WACCAMAW RIVER AT WACHESAW LANDING NEAR MURRELLS INLET, SC--Continued
Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003



02110809 WACCAMAW RIVER AT WACHESAW LANDING NEAR MURRELLS INLET, SC--Continued
Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 90 | 82 | 85 | 88 | 82 | 84 | 83 | 74 | 76 | 94 | 82 | 85 |
| 2 | 88 | 81 | 83 | 91 | 83 | 84 | 84 | 74 | 76 | 92 | 83 | 85 |
| 3 | 89 | 80 | 83 | 92 | 81 | 86 | 85 | 74 | 76 | 91 | 80 | 83 |
| 4 | 85 | 79 | 82 | 97 | 85 | 88 | 84 | 72 | 75 | 85 | 80 | 82 |
| 5 | 85 | 80 | 83 | 97 | 86 | 90 | 82 | 72 | 75 | 88 | 83 | 85 |
| 6 | 90 | 83 | 85 | 91 | 84 | 85 | 85 | 71 | 75 | 92 | 87 | 89 |
| 7 | 91 | 84 | 86 | 96 | 82 | 84 | 81 | 73 | 76 | 92 | 88 | 89 |
| 8 | 94 | 85 | 88 | 91 | 80 | 82 | 86 | 74 | 76 | 92 | 89 | 90 |
| 9 | 93 | 83 | 88 | 93 | 79 | 81 | 83 | 74 | 76 | 94 | 90 | 91 |
| 10 | 96 | 86 | 89 | 89 | 79 | 81 | 82 | 71 | 74 | 92 | 84 | 88 |
| 11 | 92 | 85 | 88 | 84 | 78 | 80 | 81 | 70 | 73 | 88 | 80 | 83 |
| 12 | 91 | 84 | 86 | 84 | 77 | 79 | 80 | 71 | 74 | 83 | 77 | 80 |
| 13 | 89 | 82 | 84 | 86 | 77 | 78 | 84 | 74 | 75 | 83 | 77 | 80 |
| 14 | 87 | 82 | 83 | 83 | 77 | 78 | 82 | 74 | 76 | 86 | 81 | 83 |
| 15 | 96 | 82 | 85 | 88 | 77 | 79 | 83 | 74 | 76 | 86 | 82 | 83 |
| 16 | 87 | 79 | 83 | 87 | 78 | 80 | 83 | 73 | 75 | 88 | 83 | 85 |
| 17 | 88 | 79 | 81 | 90 | 80 | 81 | 80 | 72 | 74 | 90 | 86 | 88 |
| 18 | 84 | 79 | 81 | 88 | 79 | 81 | 79 | 68 | 72 | 96 | 88 | 90 |
| 19 | 87 | 79 | 82 | 90 | 78 | 80 | 83 | 68 | 72 | 97 | 90 | 93 |
| 20 | 83 | 79 | 81 | 87 | 77 | 80 | 78 | 71 | 73 | 105 | 96 | 99 |
| 21 | 86 | 79 | 81 | 92 | 80 | 81 | 82 | 72 | 74 | 108 | 100 | 103 |
| 22 | 86 | 80 | 82 | 87 | 79 | 80 | 85 | 73 | 75 | 103 | 97 | 99 |
| 23 | 85 | 80 | 82 | 93 | 76 | 79 | 93 | 74 | 78 | 101 | 98 | 99 |
| 24 | 88 | 78 | 81 | 79 | 71 | 75 | 86 | 75 | 77 | 102 | 98 | 100 |
| 25 | 90 | 79 | 81 | 82 | 71 | 75 | 86 | 76 | 78 | 102 | 99 | 101 |
| 26 | 86 | 79 | 80 | 79 | 72 | 75 | 83 | 78 | 79 | 104 | 100 | 102 |
| 27 | 89 | 79 | 81 | 79 | 72 | 74 | 86 | 79 | 80 | 110 | 102 | 106 |
| 28 | 88 | 80 | 81 | 76 | 72 | 74 | 95 | 79 | 81 | 110 | 101 | 106 |
| 29 | 87 | 80 | 82 | 78 | 72 | 74 | 90 | 80 | 82 | 104 | 91 | 96 |
| 30 | 89 | 81 | 83 | 82 | 72 | 74 | 88 | 82 | 83 | 95 | 88 | 90 |
| 31 | --- | --- | --- | 84 | 73 | 75 | 89 | 82 | 84 | --- | --- | --- |
| MONTH | 96 | 78 | 83 | 97 | 71 | 80 | 95 | 68 | 76 | 110 | 77 | 91 |

