

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955 to 1967, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1955 to September 1967, March 1998 to current year

pH: March 1998 to current year.

WATER TEMPERATURE: October 1955 to September 1967, March 1998 to current year.

DISSOLVED OXYGEN: March 1998 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: March 1998 to current year.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from March 1998 to current year.

REMARKS.--Station operated in cooperation with U.S. Fish and Wildlife Service to define water-quality characteristics in the Roanoke River Basin below Roanoke Rapids Dam. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 760 mm Hg beginning October 1, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
|--|---------------------------------|--|
| SPECIFIC CONDUCTANCE, microsiemens | 182, April 11, 1999 | 36, September 19-21, 1999 |
| pH, standard units | 7.4, several days during period | 5.6, May 3, 1998, September 18, 19, 1999 |
| WATER TEMPERATURE, °C | 30.8, August 2, 1999 | 2.2, January 5, 6, 2001 |
| DISSOLVED OXYGEN, mg/L | 14.3, January 8, 1999 | 2.5, September 1, 1998 |
| DISSOLVED OXYGEN, PERCENT SATURATION,% | 112, January 8, 1999 | 31, September 1, 1998 |

EXTREMES FOR CURRENT YEAR.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
|--|---|----------------------|
| SPECIFIC CONDUCTANCE, microsiemens | 164, February 17 | 58, June 20 |
| pH, standard units | 7.4, March 10, 11, 12, May 30, 31, June 1 | 5.9, May 28 |
| WATER TEMPERATURE, °C | 29.6, August 13 | 2.2, January 5, 6 |
| DISSOLVED OXYGEN, mg/L | 12.0, January 31 | 3.1, June 21, 22, 23 |
| DISSOLVED OXYGEN, PERCENT SATURATION,% | 98, February 9 | 36, June 22 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 93 | 89 | 91 | 131 | 119 | 125 | 124 | 123 | 123 | 126 | 117 | 121 |
| 2 | 98 | 92 | 96 | 136 | 131 | 135 | 125 | 117 | 122 | 117 | 113 | 115 |
| 3 | 104 | 98 | 102 | 134 | 133 | 134 | 125 | 119 | 124 | 115 | 113 | 114 |
| 4 | 106 | 102 | 104 | 133 | 119 | 128 | 130 | 119 | 125 | 120 | 114 | 115 |
| 5 | 106 | 98 | 101 | 125 | 119 | 123 | 133 | 130 | 132 | 129 | 120 | 127 |
| 6 | 111 | 102 | 105 | 128 | 120 | 124 | 133 | 132 | 132 | 128 | 117 | 125 |
| 7 | 110 | 102 | 106 | 127 | 119 | 122 | 132 | 119 | 129 | 117 | 113 | 115 |
| 8 | 111 | 107 | 109 | 120 | 117 | 119 | 119 | 113 | 114 | 115 | 111 | 112 |
| 9 | 116 | 107 | 113 | 123 | 118 | 121 | 132 | 117 | 128 | 124 | 115 | 121 |
| 10 | 121 | 115 | 119 | 131 | 122 | 128 | 132 | 130 | 131 | 122 | 117 | 119 |
| 11 | 121 | 113 | 118 | 133 | 124 | 129 | 134 | 123 | 129 | 125 | 122 | 124 |
| 12 | 126 | 113 | 122 | 134 | 131 | 133 | 131 | 119 | 125 | 125 | 117 | 122 |
| 13 | 121 | 109 | 114 | 135 | 132 | 134 | 128 | 117 | 122 | 136 | 117 | 126 |
| 14 | 121 | 111 | 119 | 134 | 128 | 131 | 126 | 114 | 121 | 139 | 136 | 138 |
| 15 | 120 | 111 | 117 | 133 | 128 | 131 | 121 | 114 | 116 | 137 | 136 | 137 |
| 16 | 120 | 113 | 115 | 135 | 126 | 130 | 128 | 119 | 123 | 139 | 137 | 138 |
| 17 | 121 | 109 | 115 | 135 | 123 | 128 | 131 | 123 | 128 | 140 | 139 | 140 |
| 18 | 124 | 109 | 115 | 136 | 134 | 135 | 123 | 121 | 122 | 139 | 132 | 136 |
| 19 | 124 | 117 | 120 | 134 | 130 | 131 | 140 | 121 | 130 | 139 | 132 | 136 |
| 20 | 130 | 123 | 127 | 133 | 130 | 132 | 133 | 127 | 130 | 136 | 127 | 131 |
| 21 | 131 | 127 | 129 | 132 | 122 | 128 | 141 | 131 | 137 | 134 | 131 | 132 |
| 22 | 127 | 122 | 126 | 131 | 124 | 128 | 144 | 126 | 135 | 132 | 123 | 128 |
| 23 | 129 | 122 | 126 | 128 | 122 | 125 | 132 | 123 | 128 | 132 | 124 | 128 |
| 24 | 130 | 126 | 129 | 129 | 116 | 118 | 125 | 116 | 120 | 126 | 122 | 124 |
| 25 | 131 | 127 | 129 | 124 | 120 | 123 | 125 | 115 | 117 | 131 | 126 | 129 |
| 26 | 130 | 121 | 126 | 123 | 114 | 118 | 120 | 116 | 118 | 130 | 128 | 129 |
| 27 | 132 | 126 | 130 | 124 | 113 | 115 | 122 | 116 | 119 | 129 | 126 | 128 |
| 28 | 131 | 128 | 129 | 132 | 124 | 129 | 128 | 121 | 123 | 127 | 117 | 124 |
| 29 | 128 | 116 | 123 | 130 | 128 | 129 | 131 | 116 | 121 | 129 | 115 | 123 |
| 30 | 119 | 114 | 116 | 129 | 124 | 127 | 133 | 131 | 133 | 130 | 120 | 126 |
| 31 | 125 | 119 | 123 | --- | --- | --- | 133 | 126 | 130 | 125 | 122 | 123 |
| MONTH | 132 | 89 | 117 | 136 | 113 | 127 | 144 | 113 | 125 | 140 | 111 | 126 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 128 | 124 | 126 | 125 | 122 | 123 | 137 | 121 | 124 | 131 | 130 | 131 |
| 2 | 127 | 121 | 123 | 141 | 123 | 135 | 122 | 118 | 119 | 135 | 131 | 133 |
| 3 | 129 | 124 | 127 | 142 | 132 | 137 | 120 | 111 | 117 | 133 | 132 | 133 |
| 4 | 130 | 126 | 128 | 147 | 136 | 142 | 111 | 107 | 109 | 134 | 132 | 133 |
| 5 | 138 | 124 | 130 | 146 | 134 | 138 | 112 | 108 | 110 | 137 | 133 | 135 |
| 6 | 148 | 131 | 133 | 148 | 133 | 138 | 111 | 111 | 111 | 138 | 135 | 136 |
| 7 | 133 | 128 | 130 | 134 | 127 | 130 | 113 | 110 | 111 | 138 | 136 | 137 |
| 8 | 138 | 132 | 135 | 141 | 126 | 134 | 112 | 111 | 111 | 138 | 135 | 136 |
| 9 | 132 | 124 | 127 | 142 | 139 | 140 | 112 | 111 | 112 | 139 | 136 | 136 |
| 10 | 135 | 126 | 132 | 141 | 118 | 126 | 113 | 111 | 112 | 137 | 134 | 135 |
| 11 | 137 | 129 | 133 | 120 | 118 | 118 | 112 | 111 | 112 | 134 | 133 | 133 |
| 12 | 136 | 129 | 133 | 132 | 120 | 124 | 112 | 111 | 111 | 133 | 131 | 132 |
| 13 | 144 | 130 | 138 | 137 | 129 | 133 | 114 | 112 | 113 | 134 | 132 | 132 |
| 14 | 144 | 133 | 138 | 138 | 125 | 129 | 115 | 114 | 114 | 136 | 132 | 134 |
| 15 | 144 | 131 | 139 | 142 | 130 | 136 | 115 | 115 | 115 | 137 | 133 | 135 |
| 16 | 144 | 130 | 137 | 150 | 129 | 141 | 117 | 115 | 116 | 139 | 136 | 137 |
| 17 | 164 | 127 | 134 | 134 | 121 | 124 | 118 | 117 | 117 | 138 | 133 | 136 |
| 18 | 134 | 123 | 126 | 139 | 126 | 133 | 119 | 116 | 117 | 146 | 132 | 133 |
| 19 | 136 | 127 | 130 | 142 | 130 | 137 | 126 | 119 | 123 | 133 | 129 | 130 |
| 20 | 142 | 127 | 135 | 135 | 133 | 134 | 128 | 126 | 127 | 132 | 129 | 129 |
| 21 | 142 | 137 | 140 | 134 | 123 | 127 | 129 | 121 | 128 | 130 | 123 | 127 |
| 22 | 140 | 131 | 135 | 141 | 124 | 130 | 125 | 122 | 124 | 123 | 121 | 122 |
| 23 | 131 | 122 | 126 | 143 | 131 | 139 | 126 | 125 | 126 | 122 | 117 | 120 |
| 24 | 135 | 123 | 129 | 133 | 119 | 125 | 127 | 126 | 126 | 117 | 115 | 116 |
| 25 | 144 | 124 | 136 | 130 | 118 | 122 | 128 | 126 | 128 | 115 | 112 | 113 |
| 26 | 124 | 120 | 121 | 127 | 116 | 121 | 127 | 127 | 127 | 112 | 111 | 112 |
| 27 | 122 | 120 | 121 | 127 | 118 | 122 | 130 | 126 | 127 | 115 | 112 | 114 |
| 28 | 128 | 121 | 125 | 129 | 119 | 123 | 128 | 126 | 128 | 114 | 110 | 112 |
| 29 | --- | --- | --- | 130 | 121 | 124 | 129 | 128 | 128 | 111 | 108 | 109 |
| 30 | --- | --- | --- | 136 | 120 | 123 | 133 | 128 | 129 | 108 | 106 | 107 |
| 31 | --- | --- | --- | 127 | 121 | 124 | --- | --- | --- | 107 | 105 | 105 |
| MONTH | 164 | 120 | 131 | 150 | 116 | 130 | 137 | 107 | 119 | 146 | 105 | 127 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|-----|------|-----------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 106 | 104 | 105 | 116 | 104 | 110 | 108 | 102 | 106 | 144 | 137 | 141 |
| 2 | 106 | 104 | 105 | 116 | 107 | 110 | 110 | 108 | 109 | 145 | 135 | 141 |
| 3 | 119 | 104 | 105 | 116 | 109 | 112 | 110 | 108 | 109 | 146 | 144 | 145 |
| 4 | 141 | 100 | 110 | 121 | 114 | 119 | 112 | 109 | 110 | 146 | 133 | 138 |
| 5 | 100 | 99 | 100 | 120 | 113 | 116 | 114 | 110 | 111 | 136 | 133 | 135 |
| 6 | 100 | 97 | 98 | 120 | 113 | 115 | 121 | 114 | 118 | 133 | 129 | 130 |
| 7 | 101 | 98 | 99 | 126 | 117 | 123 | 121 | 118 | 120 | 141 | 130 | 136 |
| 8 | 101 | 86 | 95 | 126 | 117 | 121 | 123 | 116 | 120 | 143 | 128 | 133 |
| 9 | 90 | 83 | 85 | 118 | 112 | 114 | 124 | 112 | 120 | 152 | 143 | 149 |
| 10 | 91 | 85 | 88 | 121 | 110 | 117 | 125 | 112 | 119 | 153 | 151 | 152 |
| 11 | 96 | 91 | 94 | 127 | 111 | 118 | 124 | 117 | 120 | 152 | 141 | 149 |
| 12 | 99 | 96 | 97 | 130 | 108 | 119 | 124 | 116 | 118 | 149 | 133 | 142 |
| 13 | 101 | 98 | 100 | 118 | 108 | 111 | 128 | 116 | 122 | 147 | 124 | 135 |
| 14 | 103 | 101 | 102 | 119 | 108 | 112 | 124 | 116 | 119 | 146 | 123 | 129 |
| 15 | 102 | 98 | 100 | 118 | 108 | 112 | 130 | 119 | 126 | 132 | 116 | 124 |
| 16 | 98 | 83 | 88 | 115 | 110 | 111 | 131 | 123 | 127 | 125 | 116 | 119 |
| 17 | 83 | 68 | 78 | 118 | 112 | 115 | 130 | 126 | 128 | 129 | 125 | 128 |
| 18 | 68 | 64 | 65 | 113 | 111 | 111 | 131 | 127 | 130 | 127 | 121 | 122 |
| 19 | 64 | 61 | 63 | 112 | 111 | 112 | 133 | 127 | 130 | 133 | 122 | 128 |
| 20 | 61 | 58 | 59 | 127 | 112 | 116 | 138 | 131 | 134 | 134 | 126 | 129 |
| 21 | 67 | 59 | 61 | 135 | 127 | 132 | 138 | 134 | 137 | 142 | 134 | 139 |
| 22 | 70 | 66 | 68 | 135 | 132 | 134 | 134 | 115 | 120 | 143 | 142 | 142 |
| 23 | 76 | 69 | 72 | 135 | 128 | 133 | 129 | 120 | 123 | 143 | 142 | 142 |
| 24 | 89 | 76 | 85 | 134 | 124 | 129 | 136 | 129 | 132 | 143 | 136 | 139 |
| 25 | 88 | 85 | 86 | 135 | 129 | 133 | 135 | 126 | 133 | 142 | 131 | 138 |
| 26 | 94 | 88 | 90 | 132 | 125 | 129 | 134 | 122 | 129 | 146 | 125 | 133 |
| 27 | 100 | 94 | 96 | 125 | 113 | 117 | 141 | 132 | 137 | 147 | 133 | 142 |
| 28 | 110 | 100 | 105 | 115 | 108 | 111 | 145 | 132 | 140 | 145 | 120 | 136 |
| 29 | 112 | 106 | 108 | 113 | 108 | 110 | 148 | 142 | 144 | 120 | 115 | 116 |
| 30 | 114 | 104 | 109 | 110 | 101 | 107 | 143 | 129 | 140 | 115 | 115 | 115 |
| 31 | --- | --- | --- | 102 | 101 | 101 | 138 | 126 | 129 | --- | --- | --- |
| MONTH | 141 | 58 | 91 | 135 | 101 | 117 | 148 | 102 | 125 | 153 | 115 | 135 |

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 6.6 | 6.6 | 6.6 | 6.9 | 6.8 | 6.8 | 6.8 | 6.7 | 6.8 | 7.0 | 7.0 | 7.0 |
| 2 | 6.6 | 6.5 | 6.6 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 3 | 6.7 | 6.6 | 6.7 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 4 | 6.7 | 6.7 | 6.7 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 5 | 6.7 | 6.7 | 6.7 | 6.9 | 6.9 | 6.9 | 6.8 | 6.7 | 6.8 | 7.1 | 7.0 | 7.0 |
| 6 | 6.8 | 6.7 | 6.7 | 6.9 | 6.9 | 6.9 | 6.8 | 6.7 | 6.8 | 7.1 | 7.1 | 7.1 |
| 7 | 6.8 | 6.8 | 6.8 | 6.9 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | 7.1 | 7.1 | 7.1 |
| 8 | 6.9 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | 7.1 | 7.1 | 7.1 |
| 9 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 7.1 | 7.0 | 7.0 |
| 10 | 7.0 | 6.9 | 6.9 | 6.8 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 11 | 6.9 | 6.9 | 6.9 | 6.8 | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 12 | 7.0 | 6.9 | 7.0 | 6.8 | 6.7 | 6.8 | 6.9 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 13 | 7.0 | 6.9 | 6.9 | 6.8 | 6.7 | 6.7 | 6.9 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 14 | 6.9 | 6.9 | 6.9 | 6.7 | 6.7 | 6.7 | 6.9 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 |
| 15 | 6.9 | 6.9 | 6.9 | 6.7 | 6.7 | 6.7 | 6.9 | 6.8 | 6.9 | 7.0 | 7.0 | 7.0 |
| 16 | 6.9 | 6.8 | 6.9 | 6.7 | 6.7 | 6.7 | 6.9 | 6.8 | 6.9 | 7.0 | 6.9 | 7.0 |
| 17 | 6.9 | 6.8 | 6.9 | 6.8 | 6.7 | 6.8 | 6.9 | 6.7 | 6.8 | 7.0 | 6.9 | 7.0 |
| 18 | 6.9 | 6.8 | 6.9 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.8 | 7.0 | 7.0 | 7.0 |
| 19 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.8 | 7.0 | 7.0 | 7.0 |
| 20 | 6.9 | 6.8 | 6.9 | 6.9 | 6.8 | 6.8 | 6.9 | 6.8 | 6.9 | 7.1 | 7.0 | 7.0 |
| 21 | 6.9 | 6.9 | 6.9 | 6.9 | 6.8 | 6.8 | 6.9 | 6.8 | 6.9 | 7.0 | 7.0 | 7.0 |
| 22 | 6.9 | 6.9 | 6.9 | 6.9 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 6.9 | 7.0 |
| 23 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 6.9 | 6.9 | 7.1 | 7.0 | 7.0 |
| 24 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 25 | 7.0 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.1 | 7.0 | 7.0 | 7.1 | 7.0 | 7.0 |
| 26 | 7.0 | 6.9 | 7.0 | 6.9 | 6.7 | 6.8 | --- | --- | --- | 7.0 | 7.0 | 7.0 |
| 27 | 7.0 | 6.9 | 6.9 | 6.7 | 6.7 | 6.7 | --- | --- | --- | 7.0 | 6.9 | 7.0 |
| 28 | 6.9 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | --- | --- | --- | 7.1 | 7.0 | 7.0 |
| 29 | 6.9 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | 7.0 | 6.9 | 7.0 | 7.1 | 7.1 | 7.1 |
| 30 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 7.0 | 6.9 | 7.0 | 7.1 | 6.8 | 7.0 |
| 31 | 6.8 | 6.8 | 6.8 | --- | --- | --- | 7.0 | 7.0 | 7.0 | 7.1 | 7.0 | 7.0 |
| MONTH | 7.0 | 6.5 | 6.8 | 6.9 | 6.7 | 6.8 | --- | --- | --- | 7.1 | 6.8 | 7.0 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|-------|-----|------|--------|-----|------|-----------|-----|------|
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 7.1 | 7.0 | 7.0 | 7.2 | 7.1 | 7.1 | 7.1 | 7.0 | 7.0 | 6.7 | 6.7 | 6.7 |
| 2 | 7.1 | 7.0 | 7.0 | 7.2 | 7.1 | 7.1 | 7.0 | 6.9 | 7.0 | 6.7 | 6.5 | 6.7 |
| 3 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 | 7.0 | 6.8 | 7.0 | 6.7 | 6.6 | 6.7 |
| 4 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 | 7.0 | 7.0 | 7.0 | 6.8 | 6.7 | 6.7 |
| 5 | 7.1 | 7.0 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.0 | 7.0 | 6.8 | 6.8 | 6.8 |
| 6 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.0 | 7.0 | 7.0 | 6.8 | 6.8 | 6.8 |
| 7 | 7.1 | 7.1 | 7.1 | 7.3 | 7.1 | 7.2 | 7.0 | 6.9 | 7.0 | 6.8 | 6.8 | 6.8 |
| 8 | 7.1 | 7.1 | 7.1 | 7.3 | 7.3 | 7.3 | 6.9 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 |
| 9 | 7.1 | 7.1 | 7.1 | 7.3 | 7.3 | 7.3 | 6.8 | 6.7 | 6.7 | 6.9 | 6.8 | 6.9 |
| 10 | 7.1 | 7.0 | 7.1 | 7.4 | 7.3 | 7.3 | 6.7 | 6.6 | 6.7 | 6.9 | 6.9 | 6.9 |
| 11 | 7.1 | 7.0 | 7.0 | 7.4 | 7.3 | 7.4 | 6.6 | 6.6 | 6.6 | 6.9 | 6.9 | 6.9 |
| 12 | 7.1 | 7.0 | 7.0 | 7.4 | 7.3 | 7.3 | 6.6 | 6.6 | 6.6 | 6.9 | 6.9 | 6.9 |
| 13 | 7.0 | 7.0 | 7.0 | 7.3 | 7.2 | 7.3 | 6.6 | 6.6 | 6.6 | 7.0 | 6.9 | 6.9 |
| 14 | 7.1 | 7.0 | 7.0 | 7.3 | 7.2 | 7.2 | 6.6 | 6.6 | 6.6 | 7.0 | 6.9 | 7.0 |
| 15 | 7.1 | 7.0 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.0 | 7.0 | 7.0 |
| 16 | 7.2 | 7.0 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.0 | 6.9 | 7.0 |
| 17 | 7.2 | 7.1 | 7.2 | 7.2 | 7.1 | 7.2 | 6.6 | 6.5 | 6.6 | 7.0 | 7.0 | 7.0 |
| 18 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 | 6.6 | 6.5 | 6.6 | 7.0 | 6.9 | 7.0 |
| 19 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 | 6.6 | 6.6 | 6.6 | 7.1 | 7.0 | 7.1 |
| 20 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.2 | 7.1 | 7.1 |
| 21 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.1 | 7.1 | 7.1 |
| 22 | 7.1 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 | 6.6 | 6.6 | 6.6 | 7.1 | 7.1 | 7.1 |
| 23 | 7.0 | 7.0 | 7.0 | 7.2 | 7.1 | 7.1 | 6.6 | 6.6 | 6.6 | 7.1 | 7.1 | 7.1 |
| 24 | 7.1 | 7.0 | 7.1 | 7.2 | 7.1 | 7.1 | 6.7 | 6.6 | 6.6 | 7.2 | 7.1 | 7.2 |
| 25 | 7.1 | 7.0 | 7.1 | 7.1 | 7.1 | 7.1 | 6.6 | 6.6 | 6.6 | 7.2 | 7.2 | 7.2 |
| 26 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.3 | 7.2 | 7.2 |
| 27 | 7.2 | 7.0 | 7.1 | 7.2 | 7.2 | 7.2 | 6.6 | 6.6 | 6.6 | 7.3 | 7.2 | 7.2 |
| 28 | 7.2 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 | 6.6 | 6.6 | 6.6 | 7.2 | 5.9 | 6.7 |
| 29 | --- | --- | --- | 7.2 | 7.1 | 7.1 | 6.7 | 6.6 | 6.6 | 7.3 | 7.1 | 7.3 |
| 30 | --- | --- | --- | 7.1 | 7.1 | 7.1 | 6.7 | 6.7 | 6.7 | 7.4 | 7.2 | 7.3 |
| 31 | --- | --- | --- | 7.1 | 7.1 | 7.1 | --- | --- | --- | 7.4 | 7.3 | 7.4 |
| MONTH | 7.2 | 7.0 | 7.1 | 7.4 | 7.1 | 7.2 | 7.1 | 6.5 | 6.7 | 7.4 | 5.9 | 7.0 |
| | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
| 1 | 7.4 | 7.1 | 7.3 | 6.5 | 6.5 | 6.5 | 6.9 | 6.8 | 6.9 | 7.1 | 7.1 | 7.1 |
| 2 | 7.3 | 7.1 | 7.2 | 6.6 | 6.5 | 6.5 | 6.9 | 6.9 | 6.9 | 7.1 | 7.1 | 7.1 |
| 3 | 7.2 | 7.1 | 7.1 | 6.7 | 6.5 | 6.6 | 6.9 | 6.9 | 6.9 | 7.1 | 7.1 | 7.1 |
| 4 | 7.1 | 7.1 | 7.1 | 6.7 | 6.5 | 6.6 | 7.0 | 6.9 | 6.9 | 7.1 | 7.1 | 7.1 |
| 5 | 7.1 | 6.9 | 7.0 | 6.7 | 6.6 | 6.7 | 7.0 | 7.0 | 7.0 | 7.1 | 7.0 | 7.1 |
| 6 | 7.1 | 6.8 | 6.9 | 6.7 | 6.6 | 6.7 | 7.1 | 7.0 | 7.0 | 7.1 | 7.0 | 7.1 |
| 7 | 6.9 | 6.8 | 6.9 | 6.7 | 6.6 | 6.7 | 7.1 | 7.0 | 7.1 | 7.1 | 7.1 | 7.1 |
| 8 | 6.9 | 6.7 | 6.8 | 6.7 | 6.7 | 6.7 | 7.1 | 7.0 | 7.1 | 7.1 | 7.1 | 7.1 |
| 9 | 6.7 | 6.6 | 6.7 | 6.8 | 6.6 | 6.7 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.1 |
| 10 | 6.7 | 6.7 | 6.7 | 6.8 | 6.7 | 6.7 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 |
| 11 | 6.7 | 6.7 | 6.7 | 6.9 | 6.7 | 6.8 | 7.1 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 |
| 12 | 6.8 | 6.7 | 6.7 | 6.9 | 6.8 | 6.8 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 |
| 13 | 6.8 | 6.7 | 6.8 | 6.8 | 6.7 | 6.8 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 |
| 14 | 6.8 | 6.7 | 6.8 | 6.9 | 6.7 | 6.8 | 7.2 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 |
| 15 | 6.7 | 6.6 | 6.6 | 7.0 | 6.8 | 6.9 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 16 | 6.6 | 6.4 | 6.5 | 6.8 | 6.7 | 6.8 | 7.0 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 17 | 6.4 | 6.3 | 6.4 | 6.8 | 6.7 | 6.7 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 18 | 6.3 | 6.1 | 6.2 | 6.7 | 6.6 | 6.7 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 19 | 6.2 | 6.1 | 6.1 | 6.7 | 6.6 | 6.7 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 20 | 6.1 | 6.0 | 6.1 | 6.9 | 6.7 | 6.8 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 21 | 6.1 | 6.0 | 6.0 | 6.9 | 6.8 | 6.9 | 7.1 | 7.0 | 7.1 | 7.2 | 7.2 | 7.2 |
| 22 | 6.1 | 6.1 | 6.1 | 6.9 | 6.8 | 6.9 | 7.0 | 6.9 | 6.9 | 7.2 | 7.2 | 7.2 |
| 23 | 6.2 | 6.1 | 6.1 | 6.9 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 7.2 | 7.2 | 7.2 |
| 24 | 6.2 | 6.1 | 6.2 | 6.9 | 6.9 | 6.9 | 7.0 | 6.9 | 7.0 | 7.2 | 7.2 | 7.2 |
| 25 | 6.1 | 6.1 | 6.1 | 7.2 | 6.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 26 | 6.3 | 6.1 | 6.2 | 7.1 | 7.1 | 7.1 | 7.1 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 27 | 6.4 | 6.3 | 6.3 | 7.1 | 7.1 | 7.1 | 7.1 | 7.0 | 7.1 | 7.2 | 7.2 | 7.2 |
| 28 | 6.4 | 6.3 | 6.4 | 7.1 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 | 7.2 | 7.2 | 7.2 |
| 29 | 6.6 | 6.4 | 6.6 | 7.0 | 7.0 | 7.0 | 7.1 | 6.8 | 7.0 | 7.2 | 7.2 | 7.2 |
| 30 | 6.6 | 6.5 | 6.5 | 7.0 | 6.8 | 6.9 | 7.0 | 7.0 | 7.0 | 7.2 | 7.2 | 7.2 |
| 31 | --- | --- | --- | 6.9 | 6.8 | 6.8 | 7.1 | 7.0 | 7.0 | --- | --- | --- |
| MONTH | 7.4 | 6.0 | 6.6 | 7.2 | 6.5 | 6.8 | 7.2 | 6.8 | 7.0 | 7.2 | 7.0 | 7.2 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|------|------|----------|------|------|----------|------|------|---------|------|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 20.5 | 19.9 | 20.1 | 17.1 | 16.6 | 16.8 | 9.8 | 9.6 | 9.7 | 3.5 | 3.3 | 3.4 |
| 2 | 20.6 | 19.8 | 20.1 | 16.7 | 15.9 | 16.2 | 9.7 | 9.3 | 9.5 | 3.5 | 3.3 | 3.4 |
| 3 | 21.0 | 20.4 | 20.7 | 15.9 | 15.2 | 15.4 | 9.3 | 8.0 | 8.6 | 3.3 | 2.9 | 3.1 |
| 4 | 21.2 | 20.8 | 21.1 | 15.8 | 15.0 | 15.4 | 8.0 | 7.5 | 7.7 | 3.0 | 2.6 | 2.7 |
| 5 | 21.8 | 21.2 | 21.4 | 15.9 | 15.6 | 15.7 | 7.5 | 6.9 | 7.1 | 2.6 | 2.2 | 2.3 |
| 6 | 22.4 | 21.7 | 22.0 | 15.7 | 15.4 | 15.6 | 7.0 | 6.4 | 6.8 | 2.8 | 2.2 | 2.5 |
| 7 | 22.4 | 22.1 | 22.3 | 15.8 | 15.5 | 15.6 | 6.4 | 6.1 | 6.2 | 2.9 | 2.4 | 2.6 |
| 8 | 22.4 | 21.4 | 21.8 | 16.0 | 15.8 | 15.9 | 6.1 | 5.8 | 5.9 | 3.1 | 2.9 | 3.0 |
| 9 | 21.4 | 20.6 | 20.9 | 16.3 | 15.8 | 16.0 | 5.9 | 5.5 | 5.7 | 3.1 | 3.0 | 3.0 |
| 10 | 20.7 | 19.7 | 20.1 | 16.5 | 16.2 | 16.4 | 6.5 | 5.7 | 6.0 | 3.3 | 2.9 | 3.0 |
| 11 | 19.7 | 18.8 | 19.2 | 16.2 | 15.8 | 15.9 | 7.3 | 6.5 | 6.9 | 3.5 | 3.2 | 3.4 |
| 12 | 18.9 | 18.1 | 18.3 | 15.9 | 15.6 | 15.7 | 7.8 | 7.3 | 7.6 | 3.8 | 3.5 | 3.7 |
| 13 | 18.1 | 17.4 | 17.6 | 16.0 | 15.6 | 15.8 | 7.7 | 7.3 | 7.5 | 4.5 | 3.8 | 4.2 |
| 14 | 18.0 | 17.1 | 17.5 | 16.0 | 15.6 | 15.9 | 7.9 | 7.6 | 7.8 | 4.8 | 4.5 | 4.6 |
| 15 | 18.3 | 17.6 | 17.9 | 15.6 | 14.9 | 15.2 | 7.9 | 7.7 | 7.8 | 5.4 | 4.8 | 5.1 |
| 16 | 18.5 | 18.3 | 18.4 | 14.9 | 14.3 | 14.6 | 7.8 | 7.7 | 7.7 | 5.8 | 5.3 | 5.5 |
| 17 | 18.8 | 18.3 | 18.5 | 14.3 | 13.6 | 14.0 | 8.6 | 7.8 | 8.3 | 6.2 | 5.7 | 5.9 |
| 18 | 19.0 | 18.8 | 18.9 | 13.6 | 12.9 | 13.2 | 8.4 | 7.9 | 8.1 | 6.6 | 6.1 | 6.3 |
| 19 | 19.1 | 18.6 | 18.8 | 12.9 | 12.0 | 12.5 | 8.0 | 7.6 | 7.9 | 6.9 | 6.5 | 6.7 |
| 20 | 19.0 | 18.6 | 18.8 | 12.0 | 11.6 | 11.8 | 7.6 | 7.4 | 7.5 | 7.3 | 6.9 | 7.1 |
| 21 | 19.1 | 18.6 | 18.9 | 11.6 | 11.0 | 11.3 | 7.4 | 7.1 | 7.2 | 7.1 | 6.8 | 6.9 |
| 22 | 19.4 | 18.8 | 19.1 | 11.0 | 10.2 | 10.5 | 7.1 | 6.0 | 6.7 | 6.8 | 6.3 | 6.4 |
| 23 | 19.2 | 18.7 | 18.9 | 10.2 | 9.9 | 10.0 | 6.0 | 5.3 | 5.5 | 6.4 | 6.0 | 6.1 |
| 24 | 18.7 | 18.3 | 18.5 | 10.0 | 9.6 | 9.7 | 5.5 | 5.2 | 5.4 | 6.1 | 5.8 | 6.0 |
| 25 | 18.5 | 18.1 | 18.3 | 9.8 | 9.5 | 9.6 | 5.5 | 4.7 | 5.0 | 6.0 | 5.5 | 5.8 |
| 26 | 18.6 | 18.2 | 18.3 | 10.0 | 9.7 | 9.9 | 4.7 | 4.2 | 4.4 | 5.5 | 5.1 | 5.2 |
| 27 | 18.5 | 18.1 | 18.4 | 9.8 | 9.5 | 9.6 | 4.6 | 4.5 | 4.5 | 5.2 | 4.9 | 5.0 |
| 28 | 18.5 | 18.2 | 18.3 | 9.5 | 9.2 | 9.3 | 4.5 | 3.9 | 4.2 | 5.1 | 4.6 | 4.9 |
| 29 | 18.3 | 17.7 | 18.0 | 9.5 | 9.1 | 9.3 | 3.9 | 3.4 | 3.6 | 5.3 | 4.9 | 5.1 |
| 30 | 17.7 | 17.3 | 17.4 | 9.8 | 9.5 | 9.6 | 3.5 | 3.3 | 3.4 | 6.0 | 5.0 | 5.4 |
| 31 | 17.3 | 17.1 | 17.2 | --- | --- | --- | 3.5 | 3.1 | 3.3 | 6.2 | 5.8 | 6.0 |
| MONTH | 22.4 | 17.1 | 19.2 | 17.1 | 9.1 | 13.4 | 9.8 | 3.1 | 6.6 | 7.3 | 2.2 | 4.7 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 6.4 | 6.1 | 6.3 | 10.0 | 9.2 | 9.5 | 11.7 | 11.5 | 11.6 | 18.4 | 17.1 | 17.7 |
| 2 | 6.9 | 6.3 | 6.5 | 10.1 | 9.6 | 9.9 | 12.5 | 11.6 | 12.0 | 19.2 | 18.0 | 18.5 |
| 3 | 7.0 | 6.4 | 6.7 | 10.0 | 9.8 | 9.9 | 12.5 | 11.4 | 12.1 | 19.3 | 18.3 | 18.8 |
| 4 | 6.9 | 6.4 | 6.6 | 9.9 | 9.6 | 9.7 | 11.8 | 11.4 | 11.6 | 19.9 | 19.2 | 19.5 |
| 5 | 6.7 | 6.4 | 6.5 | 9.6 | 9.3 | 9.5 | 12.0 | 11.4 | 11.8 | 20.6 | 19.9 | 20.3 |
| 6 | 6.6 | 6.0 | 6.3 | 9.3 | 8.4 | 8.7 | 12.9 | 11.8 | 12.3 | 20.9 | 20.3 | 20.7 |
| 7 | 6.4 | 6.0 | 6.2 | 8.7 | 8.2 | 8.4 | 14.4 | 12.9 | 13.5 | 20.5 | 20.0 | 20.3 |
| 8 | 6.8 | 6.2 | 6.4 | 8.5 | 8.1 | 8.3 | 15.8 | 14.3 | 14.9 | 20.4 | 20.0 | 20.2 |
| 9 | 7.6 | 6.8 | 7.1 | 8.5 | 7.9 | 8.2 | 17.2 | 15.7 | 16.3 | 20.3 | 19.7 | 20.0 |
| 10 | 8.3 | 7.6 | 8.0 | 8.9 | 8.1 | 8.5 | 18.0 | 16.9 | 17.4 | 20.3 | 19.5 | 19.9 |
| 11 | 8.4 | 8.1 | 8.3 | 9.2 | 8.6 | 8.9 | 17.9 | 17.0 | 17.5 | 20.4 | 19.5 | 20.0 |
| 12 | 8.4 | 8.1 | 8.3 | 9.5 | 8.9 | 9.2 | 18.2 | 17.2 | 17.7 | 21.7 | 20.2 | 21.0 |
| 13 | 8.7 | 8.3 | 8.5 | 10.5 | 9.5 | 10.0 | 18.1 | 17.6 | 17.9 | 22.1 | 21.1 | 21.6 |
| 14 | 8.6 | 8.1 | 8.3 | 11.4 | 10.5 | 11.0 | 18.2 | 17.4 | 17.8 | 22.0 | 21.1 | 21.5 |
| 15 | 8.7 | 8.1 | 8.5 | 11.7 | 11.3 | 11.5 | 17.8 | 17.0 | 17.5 | 21.7 | 21.1 | 21.3 |
| 16 | 8.8 | 8.4 | 8.6 | 11.9 | 11.5 | 11.7 | 17.5 | 17.0 | 17.3 | 21.2 | 20.8 | 21.1 |
| 17 | 9.2 | 8.8 | 9.0 | 12.2 | 11.4 | 11.8 | 17.2 | 14.9 | 16.2 | 20.8 | 19.9 | 20.3 |
| 18 | 9.2 | 8.9 | 9.0 | 12.1 | 11.8 | 12.0 | 14.9 | 13.9 | 14.2 | 20.3 | 19.9 | 20.0 |
| 19 | 9.2 | 9.0 | 9.1 | 11.8 | 11.3 | 11.6 | 14.4 | 13.1 | 13.7 | 20.8 | 19.9 | 20.3 |
| 20 | 9.6 | 8.8 | 9.2 | 11.5 | 10.9 | 11.1 | 14.4 | 13.5 | 14.0 | 21.0 | 20.5 | 20.8 |
| 21 | 9.6 | 9.1 | 9.4 | 11.3 | 11.0 | 11.2 | 15.6 | 14.3 | 14.9 | 21.5 | 21.0 | 21.2 |
| 22 | 9.1 | 8.2 | 8.6 | 12.0 | 11.2 | 11.6 | 16.6 | 15.4 | 15.9 | 22.4 | 21.5 | 22.0 |
| 23 | 8.3 | 7.8 | 8.1 | 11.8 | 11.4 | 11.7 | 17.5 | 16.3 | 16.8 | 23.0 | 22.4 | 22.7 |
| 24 | 8.6 | 8.0 | 8.2 | 12.2 | 11.2 | 11.7 | 18.2 | 17.2 | 17.6 | 23.5 | 22.9 | 23.2 |
| 25 | 8.3 | 7.8 | 7.9 | 12.3 | 11.7 | 12.1 | 18.3 | 17.2 | 17.7 | 23.5 | 23.2 | 23.4 |
| 26 | 9.0 | 8.2 | 8.6 | 11.8 | 11.6 | 11.7 | 17.3 | 16.9 | 17.2 | 23.5 | 22.8 | 23.2 |
| 27 | 9.4 | 8.8 | 9.1 | 11.6 | 10.7 | 11.1 | 17.3 | 16.6 | 17.1 | 24.0 | 23.1 | 23.6 |
| 28 | 9.4 | 9.2 | 9.3 | 11.3 | 10.7 | 11.1 | 17.3 | 16.9 | 17.1 | 23.9 | 22.8 | 23.5 |
| 29 | --- | --- | --- | 11.3 | 10.8 | 11.1 | 17.2 | 16.6 | 16.9 | 22.8 | 22.5 | 22.7 |
| 30 | --- | --- | --- | 11.9 | 11.0 | 11.5 | 17.5 | 17.0 | 17.2 | 22.8 | 22.4 | 22.6 |
| 31 | --- | --- | --- | 12.1 | 11.4 | 11.8 | --- | --- | --- | 22.7 | 22.2 | 22.5 |
| MONTH | 9.6 | 6.0 | 8.0 | 12.3 | 7.9 | 10.5 | 18.3 | 11.4 | 15.5 | 24.0 | 17.1 | 21.1 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 23.0 | 22.4 | 22.7 | 27.4 | 26.5 | 26.9 | 25.3 | 24.6 | 24.9 | 27.9 | 27.7 | 27.8 |
| 2 | 23.7 | 22.7 | 23.1 | 27.4 | 27.0 | 27.2 | 25.3 | 24.8 | 25.0 | 28.0 | 27.5 | 27.8 |
| 3 | 23.8 | 23.0 | 23.4 | 27.5 | 26.9 | 27.2 | 25.6 | 24.8 | 25.1 | 28.0 | 27.7 | 27.8 |
| 4 | 23.4 | 22.9 | 23.1 | 27.3 | 26.7 | 27.0 | 26.3 | 25.4 | 25.7 | 27.8 | 27.1 | 27.5 |
| 5 | 23.7 | 22.8 | 23.2 | 27.2 | 26.5 | 26.8 | 27.1 | 26.0 | 26.5 | 27.4 | 26.9 | 27.1 |
| 6 | 23.9 | 23.5 | 23.7 | 27.3 | 26.8 | 27.0 | 27.7 | 26.7 | 27.1 | 27.4 | 26.8 | 27.0 |
| 7 | 24.1 | 23.6 | 23.9 | 27.6 | 26.7 | 27.1 | 28.1 | 27.1 | 27.6 | 27.2 | 26.7 | 26.9 |
| 8 | 24.1 | 23.3 | 23.7 | 27.3 | 27.0 | 27.2 | 28.6 | 27.7 | 28.1 | 27.0 | 26.7 | 26.9 |
| 9 | 23.9 | 22.9 | 23.4 | 27.4 | 26.9 | 27.1 | 28.8 | 28.0 | 28.4 | 27.1 | 26.7 | 26.9 |
| 10 | 24.6 | 23.8 | 24.1 | 27.9 | 27.3 | 27.5 | 29.2 | 28.3 | 28.7 | 27.3 | 26.8 | 27.0 |
| 11 | 24.6 | 24.0 | 24.2 | 28.1 | 27.3 | 27.7 | 28.9 | 28.5 | 28.6 | 27.3 | 27.0 | 27.2 |
| 12 | 24.6 | 23.7 | 24.1 | 28.1 | 27.7 | 27.9 | 29.5 | 28.6 | 29.0 | 27.1 | 26.5 | 26.8 |
| 13 | 24.7 | 24.3 | 24.5 | 27.7 | 26.7 | 27.2 | 29.6 | 29.2 | 29.4 | 26.9 | 26.3 | 26.5 |
| 14 | 24.7 | 24.0 | 24.3 | 26.8 | 26.4 | 26.6 | 29.3 | 28.6 | 28.9 | 26.6 | 25.9 | 26.2 |
| 15 | 24.0 | 23.8 | 23.9 | 26.7 | 25.9 | 26.2 | 29.0 | 28.5 | 28.7 | 25.9 | 25.1 | 25.3 |
| 16 | 24.0 | 23.4 | 23.7 | 26.4 | 25.6 | 26.0 | 28.9 | 28.4 | 28.6 | 25.1 | 24.3 | 24.6 |
| 17 | 23.6 | 23.1 | 23.3 | 26.5 | 25.9 | 26.2 | 28.8 | 28.3 | 28.6 | 24.5 | 23.9 | 24.2 |
| 18 | 23.6 | 23.0 | 23.3 | 26.6 | 26.2 | 26.4 | 28.6 | 28.4 | 28.6 | 24.3 | 23.7 | 24.0 |
| 19 | 23.6 | 23.0 | 23.3 | 26.7 | 26.4 | 26.5 | 28.7 | 28.2 | 28.4 | 23.8 | 23.4 | 23.6 |
| 20 | 23.9 | 23.2 | 23.5 | 26.9 | 26.6 | 26.7 | 28.6 | 28.4 | 28.5 | 23.8 | 23.5 | 23.6 |
| 21 | 24.4 | 23.5 | 23.9 | 27.2 | 26.9 | 27.0 | 28.4 | 27.9 | 28.0 | 23.8 | 23.3 | 23.6 |
| 22 | 24.8 | 23.9 | 24.3 | 27.1 | 26.7 | 26.9 | 28.0 | 27.3 | 27.5 | 24.4 | 23.8 | 24.0 |
| 23 | 25.1 | 24.5 | 24.8 | 27.0 | 26.7 | 26.8 | 28.0 | 27.3 | 27.7 | 24.7 | 24.2 | 24.4 |
| 24 | 25.1 | 24.8 | 25.0 | 26.9 | 26.6 | 26.8 | 28.0 | 27.4 | 27.6 | 24.8 | 24.5 | 24.6 |
| 25 | 25.1 | 24.3 | 24.7 | 27.6 | 26.7 | 27.1 | 27.7 | 27.2 | 27.4 | 24.6 | 24.3 | 24.4 |
| 26 | 25.1 | 24.5 | 24.8 | 27.6 | 27.3 | 27.4 | 27.6 | 27.1 | 27.4 | 24.4 | 23.8 | 24.1 |
| 27 | 25.6 | 25.0 | 25.3 | 27.3 | 26.3 | 26.6 | 27.8 | 27.2 | 27.5 | 24.1 | 23.2 | 23.5 |
| 28 | 26.8 | 25.5 | 26.2 | 26.4 | 25.5 | 25.7 | 27.6 | 27.3 | 27.5 | 23.3 | 22.5 | 22.8 |
| 29 | 27.1 | 26.2 | 26.6 | 25.6 | 25.5 | 25.6 | 27.5 | 27.3 | 27.4 | 22.5 | 21.9 | 22.1 |
| 30 | 26.8 | 26.5 | 26.7 | 25.5 | 25.2 | 25.3 | 27.9 | 27.2 | 27.5 | 21.9 | 21.3 | 21.5 |
| 31 | --- | --- | --- | 25.2 | 24.8 | 25.1 | 27.9 | 27.5 | 27.7 | --- | --- | --- |
| MONTH | 27.1 | 22.4 | 24.2 | 28.1 | 24.8 | 26.7 | 29.6 | 24.6 | 27.7 | 28.0 | 21.3 | 25.3 |

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|-----|------|-----|-----|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 6.2 | 6.0 | 6.1 | 7.8 | 7.7 | 7.8 | 9.1 | 8.7 | 8.9 | 10.4 | 10.1 | 10.2 |
| 2 | 6.3 | 6.0 | 6.2 | 8.1 | 7.8 | 7.9 | 8.9 | 8.7 | 8.8 | 10.6 | 10.3 | 10.5 |
| 3 | 6.3 | 6.0 | 6.2 | 8.3 | 8.1 | 8.2 | 9.2 | 8.7 | 8.9 | 10.8 | 10.5 | 10.7 |
| 4 | 6.4 | 6.0 | 6.1 | 8.4 | 8.1 | 8.3 | 9.4 | 9.1 | 9.3 | 11.5 | 10.7 | 10.9 |
| 5 | 6.3 | 5.9 | 6.1 | 8.3 | 8.1 | 8.2 | 9.5 | 9.2 | 9.3 | 11.2 | 10.9 | 11.1 |
| 6 | 6.1 | 5.7 | 5.9 | 8.3 | 8.1 | 8.2 | 9.5 | 9.1 | 9.4 | 11.3 | 11.0 | 11.1 |
| 7 | 6.0 | 5.8 | 5.9 | 8.3 | 8.0 | 8.1 | 9.6 | 9.3 | 9.5 | 11.3 | 11.0 | 11.2 |
| 8 | 6.2 | 5.9 | 6.0 | 8.3 | 8.0 | 8.1 | 10.0 | 9.6 | 9.8 | 11.3 | 11.1 | 11.2 |
| 9 | 6.5 | 6.1 | 6.3 | 8.2 | 7.9 | 8.1 | 10.0 | 9.8 | 9.9 | 11.3 | 11.1 | 11.2 |
| 10 | 6.8 | 6.4 | 6.6 | 8.2 | 7.9 | 8.0 | 9.9 | 9.7 | 9.8 | 11.3 | 11.1 | 11.2 |
| 11 | 7.0 | 6.7 | 6.9 | 8.2 | 8.0 | 8.1 | 9.7 | 9.6 | 9.6 | 11.3 | 11.0 | 11.1 |
| 12 | 7.4 | 7.0 | 7.2 | 8.2 | 8.1 | 8.2 | 9.7 | 9.4 | 9.5 | 11.4 | 11.0 | 11.1 |
| 13 | 7.8 | 7.4 | 7.7 | 8.1 | 7.8 | 8.0 | 9.6 | 9.4 | 9.5 | 11.4 | 10.9 | 11.1 |
| 14 | 7.9 | 7.8 | 7.8 | 7.9 | 7.7 | 7.8 | 9.5 | 9.2 | 9.3 | 11.0 | 10.7 | 10.8 |
| 15 | 7.8 | 7.5 | 7.7 | 8.0 | 7.8 | 7.9 | 9.6 | 9.2 | 9.4 | 10.9 | 10.7 | 10.8 |
| 16 | 7.6 | 7.2 | 7.5 | 8.0 | 7.6 | 7.8 | 9.4 | 8.8 | 9.3 | 10.9 | 10.6 | 10.8 |
| 17 | 7.5 | 7.2 | 7.4 | 8.0 | 7.7 | 7.9 | 9.2 | 8.7 | 8.9 | 10.8 | 10.5 | 10.7 |
| 18 | 7.6 | 7.1 | 7.3 | 8.2 | 7.9 | 8.0 | 9.2 | 8.8 | 9.0 | 10.8 | 10.4 | 10.6 |
| 19 | 7.4 | 7.2 | 7.3 | 8.5 | 8.1 | 8.3 | 9.0 | 8.7 | 8.8 | 10.8 | 10.4 | 10.6 |
| 20 | 7.3 | 6.7 | 7.2 | 8.6 | 8.4 | 8.5 | 9.2 | 8.7 | 9.0 | 10.8 | 10.5 | 10.6 |
| 21 | 7.4 | 7.2 | 7.3 | 8.9 | 8.6 | 8.7 | 8.9 | 8.7 | 8.8 | 10.6 | 10.3 | 10.4 |
| 22 | 7.4 | 7.0 | 7.3 | 9.1 | 8.8 | 8.9 | 9.4 | 8.8 | 9.0 | 10.9 | 10.3 | 10.6 |
| 23 | 7.4 | 7.0 | 7.3 | 9.2 | 9.0 | 9.1 | 9.8 | 9.3 | 9.6 | 11.2 | 10.6 | 10.9 |
| 24 | 7.4 | 7.1 | 7.3 | 9.1 | 9.0 | 9.1 | 9.9 | 9.5 | 9.8 | 11.3 | 10.8 | 11.1 |
| 25 | 7.6 | 7.4 | 7.5 | 9.1 | 8.9 | 9.0 | 10.1 | 9.7 | 9.9 | 11.2 | 10.9 | 11.1 |
| 26 | 7.7 | 7.5 | 7.6 | 9.1 | 8.9 | 9.0 | 10.1 | 9.8 | 10.0 | 11.3 | 11.0 | 11.1 |
| 27 | 7.6 | 7.4 | 7.6 | 9.2 | 9.0 | 9.1 | 10.0 | 9.8 | 9.9 | 11.6 | 11.0 | 11.3 |
| 28 | 7.6 | 7.1 | 7.4 | 9.4 | 9.1 | 9.3 | 10.6 | 9.5 | 9.8 | 11.9 | 11.4 | 11.6 |
| 29 | 7.7 | 7.5 | 7.6 | 9.4 | 9.1 | 9.2 | 10.1 | 9.8 | 10.0 | 11.9 | 11.5 | 11.7 |
| 30 | 7.8 | 7.4 | 7.7 | 9.2 | 8.9 | 9.0 | 10.1 | 10.0 | 10.0 | 11.9 | 11.6 | 11.8 |
| 31 | 7.8 | 7.4 | 7.6 | --- | --- | --- | 10.3 | 10.0 | 10.2 | 12.0 | 11.7 | 11.8 |
| MONTH | 7.9 | 5.7 | 7.0 | 9.4 | 7.6 | 8.4 | 10.6 | 8.7 | 9.4 | 12.0 | 10.1 | 11.0 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|------|------|-------|-----|------|--------|-----|------|-----------|-----|------|
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 11.9 | 11.6 | 11.8 | 10.0 | 9.8 | 9.9 | 9.2 | 8.3 | 8.8 | 7.4 | 7.0 | 7.2 |
| 2 | 11.8 | 11.5 | 11.7 | 9.9 | 8.9 | 9.2 | 8.8 | 8.1 | 8.5 | 7.2 | 6.8 | 7.1 |
| 3 | 11.6 | 11.3 | 11.4 | 9.3 | 8.9 | 9.1 | 8.9 | 8.2 | 8.4 | 7.3 | 6.9 | 7.1 |
| 4 | 11.5 | 11.2 | 11.3 | 9.3 | 8.9 | 9.0 | 8.5 | 8.2 | 8.4 | 7.2 | 6.7 | 6.9 |
| 5 | 11.5 | 11.2 | 11.3 | 9.2 | 8.8 | 9.0 | 8.7 | 8.3 | 8.5 | 6.9 | 6.4 | 6.7 |
| 6 | 11.7 | 11.1 | 11.4 | 9.3 | 8.8 | 9.1 | 8.6 | 8.3 | 8.4 | 6.8 | 6.4 | 6.6 |
| 7 | 11.7 | 11.4 | 11.6 | 9.7 | 9.1 | 9.4 | 8.4 | 7.4 | 8.0 | 6.8 | 6.4 | 6.6 |
| 8 | 11.5 | 11.3 | 11.4 | 9.8 | 9.3 | 9.5 | 7.9 | 7.3 | 7.5 | 6.8 | 6.3 | 6.5 |
| 9 | 11.7 | 11.4 | 11.6 | 9.7 | 9.4 | 9.6 | 7.3 | 6.8 | 7.0 | 6.9 | 5.8 | 6.6 |
| 10 | 11.6 | 10.9 | 11.1 | 10.2 | 9.5 | 9.9 | 6.8 | 6.3 | 6.5 | 7.1 | 6.5 | 6.8 |
| 11 | 11.1 | 10.6 | 10.9 | 10.5 | 9.9 | 10.2 | 6.4 | 5.9 | 6.2 | 7.0 | 6.4 | 6.7 |
| 12 | 11.0 | 10.6 | 10.7 | 10.3 | 9.8 | 10.0 | 6.4 | 5.9 | 6.1 | 6.8 | 6.2 | 6.6 |
| 13 | 10.7 | 10.3 | 10.4 | 9.9 | 9.4 | 9.7 | 6.2 | 5.7 | 5.9 | 6.8 | 6.1 | 6.4 |
| 14 | 10.8 | 10.3 | 10.5 | 9.8 | 9.3 | 9.5 | 6.1 | 5.4 | 5.8 | 6.5 | 6.0 | 6.2 |
| 15 | 10.8 | 10.2 | 10.4 | 9.4 | 8.8 | 9.1 | 6.1 | 5.6 | 5.8 | 6.5 | 5.7 | 6.1 |
| 16 | 10.7 | 10.2 | 10.5 | 9.2 | 8.6 | 8.8 | 5.8 | 5.2 | 5.5 | 6.3 | 4.9 | 5.9 |
| 17 | 10.6 | 10.3 | 10.5 | 9.5 | 9.1 | 9.3 | 5.5 | 5.2 | 5.4 | 6.4 | 5.7 | 6.0 |
| 18 | 10.6 | 10.1 | 10.4 | 9.3 | 8.8 | 9.0 | 5.5 | 5.0 | 5.2 | 6.4 | 5.1 | 5.8 |
| 19 | 10.4 | 10.0 | 10.2 | 9.2 | 8.8 | 9.0 | 5.8 | 5.3 | 5.5 | 6.4 | 5.9 | 6.1 |
| 20 | 10.3 | 9.6 | 10.0 | 9.3 | 8.8 | 9.1 | 5.9 | 5.5 | 5.7 | 6.6 | 5.5 | 6.2 |
| 21 | 9.9 | 9.6 | 9.8 | 9.5 | 8.9 | 9.2 | 5.9 | 5.6 | 5.7 | 6.4 | 5.5 | 6.0 |
| 22 | 10.0 | 9.6 | 9.8 | 9.2 | 8.5 | 8.9 | 6.1 | 5.5 | 5.8 | 6.2 | 5.6 | 5.9 |
| 23 | 10.3 | 9.8 | 10.0 | 9.0 | 8.4 | 8.7 | 6.1 | 5.8 | 5.9 | 6.1 | 5.6 | 5.9 |
| 24 | 10.3 | 9.9 | 10.1 | 9.0 | 8.3 | 8.7 | 6.0 | 5.7 | 5.9 | 6.1 | 5.5 | 5.8 |
| 25 | 10.2 | 9.7 | 10.0 | 8.8 | 8.1 | 8.4 | 6.2 | 5.7 | 5.9 | 6.1 | 5.3 | 5.6 |
| 26 | 10.3 | 10.0 | 10.2 | 8.9 | 8.5 | 8.7 | 6.2 | 5.7 | 5.9 | 6.2 | 5.5 | 5.9 |
| 27 | 10.3 | 9.9 | 10.1 | 9.3 | 8.5 | 9.0 | 6.5 | 6.0 | 6.2 | 6.1 | 5.6 | 5.8 |
| 28 | 10.1 | 9.6 | 9.9 | 9.4 | 8.8 | 9.1 | 6.7 | 6.3 | 6.5 | 6.1 | 5.7 | 5.9 |
| 29 | --- | --- | --- | 9.5 | 9.0 | 9.3 | 6.8 | 6.6 | 6.7 | 6.3 | 5.8 | 6.0 |
| 30 | --- | --- | --- | 9.4 | 8.9 | 9.2 | 7.1 | 6.6 | 6.8 | 6.3 | 5.8 | 6.1 |
| 31 | --- | --- | --- | 9.3 | 8.8 | 9.1 | --- | --- | --- | 6.2 | 5.8 | 6.0 |
| MONTH | 11.9 | 9.6 | 10.7 | 10.5 | 8.1 | 9.2 | 9.2 | 5.0 | 6.6 | 7.4 | 4.9 | 6.3 |
| | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
| 1 | 6.1 | 5.9 | 6.0 | 4.6 | 4.3 | 4.4 | 5.6 | 5.2 | 5.4 | 5.4 | 5.1 | 5.2 |
| 2 | 6.2 | 5.9 | 6.1 | 4.7 | 4.3 | 4.5 | 5.6 | 5.4 | 5.5 | 5.4 | 5.1 | 5.3 |
| 3 | 6.2 | 5.9 | 6.1 | 4.7 | 4.5 | 4.6 | 5.9 | 5.5 | 5.7 | 5.4 | 5.0 | 5.2 |
| 4 | 6.3 | 5.9 | 6.1 | 4.7 | 4.3 | 4.5 | 6.1 | 5.8 | 5.9 | 5.3 | 4.8 | 5.1 |
| 5 | 5.9 | 5.6 | 5.7 | 4.8 | 4.5 | 4.6 | 6.3 | 6.0 | 6.1 | 5.2 | 4.2 | 4.8 |
| 6 | 6.3 | 5.7 | 5.9 | 5.1 | 4.6 | 4.8 | 6.4 | 6.0 | 6.2 | 5.2 | 4.3 | 4.9 |
| 7 | 6.0 | 5.7 | 5.9 | 5.2 | 5.0 | 5.1 | 6.7 | 6.0 | 6.2 | 5.2 | 4.2 | 4.8 |
| 8 | 5.8 | 5.1 | 5.5 | 5.2 | 5.0 | 5.1 | 6.8 | 5.8 | 6.3 | 5.3 | 4.8 | 5.0 |
| 9 | 5.1 | 4.8 | 4.9 | 5.1 | 4.8 | 5.0 | 6.4 | 5.9 | 6.1 | 5.3 | 4.7 | 5.0 |
| 10 | 5.1 | 4.9 | 5.0 | 5.1 | 4.7 | 4.9 | 6.2 | 5.5 | 6.1 | 5.3 | 4.8 | 5.1 |
| 11 | 5.2 | 4.9 | 5.0 | 5.5 | 4.9 | 5.2 | 6.4 | 5.9 | 6.1 | 5.2 | 4.7 | 5.0 |
| 12 | 5.2 | 4.9 | 5.1 | 5.5 | 5.1 | 5.3 | 6.5 | 6.0 | 6.2 | 5.2 | 4.7 | 4.9 |
| 13 | 5.3 | 5.0 | 5.1 | 5.5 | 5.2 | 5.4 | --- | --- | --- | 5.4 | 4.8 | 5.1 |
| 14 | 5.3 | 5.0 | 5.1 | 5.8 | 5.4 | 5.6 | --- | --- | --- | 5.6 | 4.8 | 5.1 |
| 15 | 5.1 | 4.8 | 4.9 | 5.8 | 5.6 | 5.7 | --- | --- | --- | 5.8 | 5.0 | 5.4 |
| 16 | 5.1 | 4.6 | 4.8 | 5.7 | 5.3 | 5.6 | 5.3 | 4.9 | 5.1 | 6.0 | 5.2 | 5.6 |
| 17 | 4.7 | 3.9 | 4.3 | 5.4 | 5.2 | 5.3 | 5.4 | 4.9 | 5.1 | 5.9 | 4.5 | 5.4 |
| 18 | 3.9 | 3.3 | 3.6 | 5.6 | 5.2 | 5.3 | 5.3 | 5.0 | 5.1 | 5.3 | 4.5 | 5.0 |
| 19 | 3.4 | 3.2 | 3.3 | 5.5 | 5.1 | 5.4 | 5.3 | 5.0 | 5.2 | 5.4 | 4.7 | 5.0 |
| 20 | 3.4 | 3.2 | 3.3 | 5.8 | 5.4 | 5.6 | 5.3 | 4.8 | 5.1 | 5.4 | 4.8 | 5.1 |
| 21 | 3.3 | 3.1 | 3.2 | 5.9 | 5.3 | 5.6 | 5.4 | 4.9 | 5.2 | --- | --- | --- |
| 22 | 3.3 | 3.1 | 3.2 | 5.9 | 5.3 | 5.6 | 5.3 | 4.7 | 4.9 | --- | --- | --- |
| 23 | 3.3 | 3.1 | 3.2 | 5.9 | 5.4 | 5.7 | 4.9 | 4.6 | 4.8 | --- | --- | --- |
| 24 | 3.5 | 3.2 | 3.4 | 6.1 | 5.8 | 5.9 | 5.0 | 4.7 | 4.8 | --- | --- | --- |
| 25 | 3.6 | 3.4 | 3.5 | 6.2 | 5.8 | 6.0 | 5.4 | 4.9 | 5.1 | --- | --- | --- |
| 26 | 4.0 | 3.4 | 3.7 | 6.1 | 5.7 | 5.8 | 5.5 | 5.2 | 5.3 | --- | --- | --- |
| 27 | 4.1 | 3.9 | 4.0 | 6.0 | 5.6 | 5.8 | 5.7 | 5.1 | 5.3 | --- | --- | --- |
| 28 | 4.6 | 4.1 | 4.4 | 5.8 | 5.6 | 5.7 | 5.6 | 5.1 | 5.4 | --- | --- | --- |
| 29 | 4.8 | 4.5 | 4.6 | 5.8 | 5.6 | 5.7 | 5.4 | 5.1 | 5.3 | --- | --- | --- |
| 30 | 4.6 | 4.4 | 4.4 | 5.7 | 5.2 | 5.5 | 5.3 | 4.9 | 5.2 | --- | --- | --- |
| 31 | --- | --- | --- | 5.5 | 5.0 | 5.2 | 5.5 | 5.1 | 5.3 | --- | --- | --- |
| MONTH | 6.3 | 3.1 | 4.6 | 6.2 | 4.3 | 5.3 | --- | --- | --- | --- | --- | --- |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 69 | 57 | 67 | 81 | 79 | 80 | 80 | 77 | 78 | 79 | 76 | 77 |
| 2 | 71 | 67 | 68 | 82 | 80 | 81 | 78 | 76 | 77 | 80 | 78 | 79 |
| 3 | 71 | 67 | 69 | 83 | 81 | 82 | 78 | 75 | 76 | 80 | 79 | 80 |
| 4 | 72 | 68 | 69 | 84 | 82 | 83 | 79 | 77 | 78 | 85 | 79 | 81 |
| 5 | 72 | 67 | 69 | 84 | 82 | 83 | 78 | 76 | 77 | 82 | 79 | 81 |
| 6 | 69 | 66 | 68 | 83 | 81 | 82 | 78 | 75 | 77 | 83 | 81 | 82 |
| 7 | 69 | 67 | 68 | 84 | 80 | 82 | 78 | 76 | 77 | 84 | 81 | 82 |
| 8 | 70 | 68 | 69 | 84 | 81 | 82 | 80 | 77 | 79 | 85 | 83 | 84 |
| 9 | 73 | 69 | 71 | 83 | 81 | 82 | 80 | 78 | 79 | 84 | 82 | 83 |
| 10 | 74 | 71 | 72 | 83 | 81 | 82 | 80 | 78 | 79 | 84 | 83 | 83 |
| 11 | 76 | 74 | 75 | 83 | 81 | 83 | 81 | 78 | 79 | 84 | 83 | 84 |
| 12 | 79 | 75 | 76 | 83 | 82 | 82 | 81 | 79 | 80 | 87 | 83 | 84 |
| 13 | 82 | 78 | 81 | 82 | 79 | 81 | 80 | 78 | 79 | 87 | 84 | 86 |
| 14 | 83 | 81 | 82 | 80 | 78 | 79 | 79 | 77 | 78 | 85 | 83 | 84 |
| 15 | 83 | 80 | 81 | 80 | 78 | 79 | 80 | 78 | 79 | 86 | 84 | 85 |
| 16 | 81 | 77 | 80 | 79 | 74 | 77 | 79 | 74 | 78 | 87 | 84 | 86 |
| 17 | 81 | 77 | 79 | 77 | 75 | 76 | 78 | 74 | 76 | 87 | 85 | 86 |
| 18 | 82 | 76 | 79 | 78 | 76 | 77 | 78 | 75 | 76 | 88 | 85 | 86 |
| 19 | 80 | 77 | 79 | 79 | 77 | 78 | 75 | 73 | 74 | 89 | 85 | 87 |
| 20 | 79 | 72 | 78 | 80 | 78 | 79 | 76 | 73 | 75 | 90 | 87 | 88 |
| 21 | 79 | 77 | 78 | 81 | 79 | 80 | 74 | 72 | 73 | 88 | 85 | 86 |
| 22 | 80 | 76 | 79 | 82 | 79 | 80 | 75 | 73 | 74 | 89 | 84 | 86 |
| 23 | 80 | 76 | 79 | 81 | 80 | 81 | 78 | 75 | 77 | 90 | 86 | 88 |
| 24 | 80 | 76 | 78 | 81 | 80 | 80 | 78 | 75 | 77 | 91 | 86 | 89 |
| 25 | 81 | 79 | 80 | 80 | 79 | 79 | 79 | 76 | 78 | 90 | 87 | 89 |
| 26 | 82 | 80 | 81 | 81 | 78 | 80 | 78 | 76 | 77 | 90 | 87 | 88 |
| 27 | 82 | 79 | 81 | 81 | 80 | 80 | 78 | 76 | 77 | 91 | 87 | 89 |
| 28 | 81 | 76 | 79 | 82 | 80 | 81 | 81 | 73 | 75 | 94 | 89 | 91 |
| 29 | 81 | 79 | 80 | 82 | 80 | 81 | 77 | 74 | 75 | 94 | 91 | 92 |
| 30 | 81 | 77 | 80 | 81 | 78 | 79 | 76 | 75 | 76 | 96 | 91 | 93 |
| 31 | 81 | 77 | 79 | --- | --- | --- | 77 | 75 | 76 | 97 | 94 | 95 |
| MONTH | 83 | 57 | 76 | 84 | 74 | 80 | 81 | 72 | 77 | 97 | 76 | 86 |

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|-------|-----|------|-------|-----|------|-----|-----|------|
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 97 | 94 | 95 | 88 | 85 | 87 | 85 | 76 | 81 | 78 | 73 | 76 |
| 2 | 97 | 95 | 96 | 87 | 79 | 81 | 82 | 75 | 79 | 79 | 72 | 76 |
| 3 | 95 | 92 | 94 | 82 | 79 | 80 | 83 | 77 | 78 | 79 | 74 | 76 |
| 4 | 94 | 91 | 92 | 82 | 78 | 80 | 78 | 76 | 77 | 79 | 74 | 76 |
| 5 | 93 | 91 | 92 | 81 | 77 | 79 | 81 | 77 | 78 | 76 | 71 | 74 |
| 6 | 95 | 90 | 92 | 80 | 77 | 78 | 80 | 77 | 79 | 76 | 72 | 73 |
| 7 | 95 | 92 | 94 | 83 | 78 | 80 | 80 | 70 | 77 | 75 | 71 | 73 |
| 8 | 95 | 92 | 93 | 83 | 79 | 81 | 78 | 71 | 74 | 75 | 70 | 72 |
| 9 | 98 | 94 | 96 | 83 | 79 | 81 | 74 | 69 | 71 | 76 | 64 | 73 |
| 10 | 97 | 92 | 94 | 88 | 81 | 84 | 71 | 65 | 68 | 77 | 72 | 75 |
| 11 | 94 | 90 | 93 | 91 | 85 | 88 | 67 | 62 | 65 | 76 | 71 | 74 |
| 12 | 94 | 90 | 91 | 90 | 85 | 87 | 68 | 62 | 65 | 76 | 71 | 74 |
| 13 | 92 | 88 | 89 | 88 | 84 | 86 | 66 | 60 | 62 | 78 | 69 | 73 |
| 14 | 91 | 88 | 90 | 88 | 85 | 87 | 65 | 57 | 61 | 75 | 68 | 71 |
| 15 | 92 | 88 | 89 | 86 | 81 | 84 | 64 | 58 | 61 | 74 | 65 | 68 |
| 16 | 92 | 87 | 90 | 85 | 79 | 81 | 60 | 54 | 57 | 71 | 56 | 67 |
| 17 | 92 | 89 | 91 | 88 | 84 | 86 | 58 | 52 | 55 | 71 | 63 | 67 |
| 18 | 92 | 88 | 90 | 86 | 81 | 84 | 54 | 48 | 51 | 71 | 56 | 64 |
| 19 | 91 | 87 | 89 | 85 | 81 | 83 | 57 | 51 | 54 | 72 | 65 | 68 |
| 20 | 90 | 85 | 87 | 85 | 80 | 83 | 58 | 53 | 56 | 74 | 62 | 69 |
| 21 | 86 | 84 | 85 | 87 | 81 | 84 | 59 | 55 | 57 | 72 | 63 | 68 |
| 22 | 86 | 82 | 84 | 85 | 79 | 82 | 62 | 56 | 58 | 71 | 64 | 68 |
| 23 | 88 | 83 | 85 | 83 | 78 | 80 | 63 | 59 | 61 | 71 | 65 | 69 |
| 24 | 88 | 84 | 86 | 84 | 78 | 81 | 64 | 60 | 62 | 71 | 65 | 68 |
| 25 | 87 | 82 | 84 | 81 | 75 | 78 | 65 | 60 | 63 | 72 | 63 | 66 |
| 26 | 90 | 86 | 88 | 82 | 79 | 81 | 65 | 59 | 61 | 73 | 64 | 69 |
| 27 | 89 | 86 | 88 | 85 | 78 | 82 | 68 | 62 | 64 | 72 | 66 | 69 |
| 28 | 88 | 84 | 86 | 86 | 80 | 83 | 69 | 66 | 67 | 73 | 67 | 70 |
| 29 | --- | --- | --- | 87 | 81 | 84 | 70 | 68 | 69 | 73 | 68 | 70 |
| 30 | --- | --- | --- | 87 | 82 | 85 | 73 | 68 | 71 | 73 | 67 | 70 |
| 31 | --- | --- | --- | 86 | 81 | 84 | --- | --- | --- | 72 | 68 | 70 |
| MONTH | 98 | 82 | 90 | 91 | 75 | 83 | 85 | 48 | 66 | 79 | 56 | 71 |

ROANOKE RIVER BASIN

02081094 ROANOKE RIVER AT JAMESVILLE, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|-----|------|-----------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 71 | 69 | 70 | 59 | 54 | 56 | 68 | 62 | 65 | 69 | 64 | 67 |
| 2 | 74 | 70 | 71 | 59 | 55 | 57 | 69 | 65 | 67 | 70 | 65 | 67 |
| 3 | 74 | 70 | 72 | 60 | 57 | 58 | 72 | 67 | 69 | 69 | 64 | 67 |
| 4 | 73 | 69 | 71 | 59 | 54 | 57 | 76 | 70 | 73 | 67 | 60 | 65 |
| 5 | 70 | 65 | 67 | 60 | 56 | 58 | 80 | 74 | 76 | 65 | 53 | 61 |
| 6 | 75 | 68 | 70 | 65 | 57 | 61 | 81 | 76 | 78 | 66 | 54 | 61 |
| 7 | 72 | 68 | 70 | 67 | 63 | 65 | 85 | 75 | 79 | 65 | 53 | 60 |
| 8 | 69 | 60 | 66 | 66 | 63 | 64 | 87 | 75 | 81 | 67 | 60 | 63 |
| 9 | 60 | 56 | 58 | 64 | 61 | 63 | 83 | 75 | 78 | 66 | 58 | 63 |
| 10 | 62 | 58 | 60 | 65 | 60 | 62 | 82 | 73 | 79 | 67 | 61 | 64 |
| 11 | 61 | 59 | 60 | 71 | 62 | 66 | 83 | 76 | 78 | 66 | 59 | 63 |
| 12 | 63 | 58 | 61 | 70 | 65 | 68 | 85 | 78 | 81 | 65 | 59 | 62 |
| 13 | 64 | 60 | 62 | 70 | 66 | 68 | --- | --- | --- | 67 | 60 | 64 |
| 14 | 63 | 60 | 61 | 73 | 67 | 70 | --- | --- | --- | 70 | 59 | 64 |
| 15 | 61 | 57 | 59 | 72 | 69 | 71 | --- | --- | --- | 71 | 61 | 66 |
| 16 | 60 | 55 | 57 | 71 | 66 | 69 | 69 | 64 | 66 | 72 | 63 | 67 |
| 17 | 55 | 46 | 51 | 68 | 64 | 66 | 70 | 63 | 66 | 71 | 54 | 64 |
| 18 | 46 | 39 | 43 | 69 | 64 | 66 | 68 | 65 | 67 | 63 | 54 | 59 |
| 19 | 40 | 38 | 39 | 69 | 64 | 67 | 69 | 64 | 67 | 64 | 55 | 59 |
| 20 | 40 | 37 | 39 | 73 | 68 | 70 | 69 | 62 | 65 | 64 | 56 | 60 |
| 21 | 39 | 37 | 38 | 75 | 67 | 70 | 69 | 63 | 67 | --- | --- | --- |
| 22 | 40 | 36 | 38 | 74 | 67 | 71 | 68 | 60 | 63 | --- | --- | --- |
| 23 | 40 | 37 | 38 | 74 | 68 | 71 | 63 | 59 | 61 | --- | --- | --- |
| 24 | 43 | 39 | 41 | 76 | 72 | 74 | 63 | 59 | 61 | --- | --- | --- |
| 25 | 43 | 41 | 42 | 79 | 73 | 76 | 69 | 62 | 65 | --- | --- | --- |
| 26 | 48 | 41 | 44 | 77 | 72 | 74 | 70 | 66 | 68 | --- | --- | --- |
| 27 | 50 | 48 | 49 | 75 | 69 | 72 | 72 | 64 | 68 | --- | --- | --- |
| 28 | 58 | 50 | 54 | 73 | 69 | 70 | 76 | 64 | 69 | --- | --- | --- |
| 29 | 59 | 56 | 58 | 72 | 69 | 70 | 74 | 64 | 67 | --- | --- | --- |
| 30 | 58 | 54 | 56 | 70 | 63 | 68 | 68 | 63 | 66 | --- | --- | --- |
| 31 | --- | --- | --- | 66 | 61 | 64 | 70 | 65 | 67 | --- | --- | --- |
| MONTH | 75 | 36 | 56 | 79 | 54 | 67 | --- | --- | --- | --- | --- | --- |