ARCADIS

**City of Raleigh 2007 Sampling and Monitoring Program Report**

## Appendix A

2007 Water Chemistry Data
(Lower Neuse Basin Association)

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J2230000 | 29-Jan-07 | 0.1 | 3.8 | | 14 | | 7 | | 77 | | 60 | | 4 | | 9 | | | | 0.1 | | 0.3 | | 1 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 26-Feb-07 | 0.1 | 7.5 | | 9.7 | | 7 | | 156 | | 78 | | 21 | | 27 | | | | 0.1 | | 1.3 | | 0.8 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 29-Mar-07 | 0.1 | 15 | | 9 | | 7 | | 73 | | 270 | | 12 | | 12 | | | | 0.1 | | 0.7 | | 0.9 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 30-Apr-07 | 0.1 | 19 | | 7.5 | | 7 | | 117 | | 68 | | 7.1 | | 9.2 | | | | 0 | U | 0.3 | | 0.9 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 14-May-07 | 0.1 | 16 | | 9.1 | | 7 | | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 25-May-07 | 0.1 | 22 | | 6.5 | | 7 | | 140 | | 108 | | 4.1 | | 14 | | | | 0 | | 0.2 | | 1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 04-Jun-07 | 0.1 | 24 | | 5.6 | | 7 | | 158 | | 600 | B5 | 43 | | 33 | | | | 0.1 | | 0.6 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 27-Jun-07 | 0.1 | 25 | | 7.2 | | 7 | | 128 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 05-Jul-07 | 0.1 | 23 | | 8.2 | | 7 | | 129 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 20-Jul-07 | 0.1 | 24 | | 6.3 | | 7 | | 165 | | 390 | | 17 | | 3.4 | | | | 0 | | 0.2 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 06-Aug-07 | 0.1 | 25 | | 7.5 | | 7 | | 147 | | 66 | | 22 | | 4.9 | | | | 0 | U | 0.2 | U | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 15-Aug-07 | 0.1 | 25 | | 8.3 | | 7 | | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 07-Sep-07 | 0.1 | 23 | | 7.3 | | 7 | | 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 28-Sep-07 | 0.1 | 23 | | 6.4 | | 7 | | 176 | | 173 | | 251 | | 65 | | | | 0 | U | 1.2 | | 1.5 | | 0.6 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 22-Oct-07 | 0.1 | 21 | | 7 | | 7 | | 166 | | 600 | B5 | 432 | | 14 | | | | 0 | U | 0.2 | | 1.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 30-Nov-07 | 0.1 | 11 | | 9.9 | | 7 | | 156 | | 51 | | 1.4 | | 2.3 | | | | 0 | U | 0.4 | | 0.8 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2230000 | 17-Dec-07 | 0.1 | 7.4 | | 12 | | 7 | | 148 | | 310 | | 6.8 | | 11 | | | | 0 | U | 0.2 | U | 0.6 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 29-Jan-07 | 0.1 | 7.3 | | 13 | | 7 | | 70 | | 21 | | 12 | | 15 | | | | 0.1 | | 0.6 | | 0.3 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 26-Feb-07 | 0.1 | 7.3 | | 10 | | 7 | | 185 | | 142 | B4 | 18 | | 28 | | | | 0.1 | | 0.2 | U | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 29-Mar-07 | 0.1 | 14 | | 9.3 | | 7 | | 81 | | 31 | | 15 | | 16 | | | | 0 | | 1 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 30-Apr-07 | 0.1 | 18 | | 7.9 | | 7 | | 133 | | 17 | B1 | 9.1 | | 12 | | | | 0.1 | | 0.5 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 14-May-07 | 0.1 | 20 | | 7.5 | | 7 | | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 25-May-07 | 0.1 | 21 | | 6.6 | | 7 | | 172 | | 40 | | 14 | | 25 | | | | 0.1 | | 0.6 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 04-Jun-07 | 0.1 | 23 | | 6.5 | | 7 | | 174 | | 600 | B5 | 90 | | 100 | | | | 0.1 | | 0.7 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 27-Jun-07 | 0.1 | 28 | | 5.3 | | 7 | | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 05-Jul-07 | 0.1 | 26 | | 5.8 | | 7 | | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 20-Jul-07 | 0.1 | 24 | | 6.2 | | 7 | | 190 | | 670 | B3 | 14 | | 13 | | | | 0.1 | | 0.2 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 06-Aug-07 | 0.1 | 25 | | 6.3 | | 7 | | 157 | | 96 | | 21 | | 13 | | | | 0 | | 0.4 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 15-Aug-07 | 0.1 | 28 | | 5.4 | | 7 | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 07-Sep-07 | 0.1 | 27 | | 6 | | 7 | | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 28-Sep-07 | 0.1 | 22 | | 6.7 | | 7 | | 153 | | 107 | B4 | 20 | | 14 | | | | 0 | | 0.7 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 22-Oct-07 | 0.1 | 21 | | 7.2 | | 7 | | 184 | | 220 | | 11 | | 8.2 | | | | 0 | U | 1.7 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 30-Nov-07 | 0.1 | 11 | | 9.3 | | 7 | | 116 | | 58 | | 3.9 | | 4.6 | | | | 0 | U | 0.6 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2330000 | 17-Dec-07 | 0.1 | 8.1 | | 10 | | 7 | | 125 | | 600 | B5 | 16 | | 31 | | | | 0 | | 0.2 | U | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 26-Feb-07 | 0.1 | 7.8 | | 9.2 | | 7 | | 225 | | 2 | B1 | 5.3 | | 5 | | | | 0 | | 1.3 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 29-Mar-07 | 0.1 | 16 | | 8.5 | | 7 | | 217 | | 40 | | 12 | | 14 | | | | 0.1 | | 0.8 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 30-Apr-07 | 0.1 | 19 | | 6.8 | | 7 | | 192 | | 2 | B1 | 6 | | 13 | | | | 0.1 | | 0.6 | | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 14-May-07 | 0.1 | 21 | | 5.7 | | 7 | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 25-May-07 | 0.1 | 22 | | 6.3 | | 7 | | 214 | | 180 | B1 | 9.7 | | 15 | | | | 0.1 | | 0.7 | | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 04-Jun-07 | 0.1 | 24 | | 5.4 | | 7 | | 227 | | 600 | B5 | 24 | | 30 | | | | 0.1 | | 0.2 | | 0 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 27-Jun-07 | 0.1 | 29 | | 5.5 | | 7 | | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 05-Jul-07 | 0.1 | 27 | | 5.6 | | 7 | | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 20-Jul-07 | 0.1 | 24 | | 5.8 | | 7 | | 230 | | 152 | B4 | 18 | | 21 | | | | 0 | | 0.8 | | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J2360000 | 06-Aug-07 | 0.1 | 25 | | 5.6 | | 7 | | 206 | | 98 | | 4.2 | | 7.1 | | | | 0.1 | | 0.5 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 15-Aug-07 | 0.1 | 29 | | 4 | | 7 | | 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 07-Sep-07 | 0.1 | 26 | | 5.6 | | 7 | | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 28-Sep-07 | 0.1 | 23 | | 6.3 | | 7 | | 194 | | 600 | B5 | 10 | | 5.5 | | | | 0.2 | | 1 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 22-Oct-07 | 0.1 | 21 | | 6.8 | | 7 | | 214 | | 600 | B5 | 6.3 | | 5.6 | | | | 0 | | 0.4 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 30-Nov-07 | 0.1 | 11 | | 8.4 | | 7 | | 138 | | 37 | | 4.4 | | 4.9 | | | | 0 | U | 0.6 | | 0 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J2360000 | 17-Dec-07 | 0.1 | 7.9 | | 7.8 | | 7 | | 109 | | 350 | | 5.8 | | 9.3 | | | | 0 | U | 0.2 | U | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 29-Jan-07 | 0.1 | 4.9 | | 12 | | 7 | | 95 | | 80 | | 4.6 | | 9.6 | | | | 0.1 | | 0.3 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 26-Feb-07 | 0.1 | 8.2 | | 9.3 | | 7 | | 128 | | 550 | | 23 | | 23 | | | | 0.1 | | 0.2 | U | 1.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 29-Mar-07 | 0.1 | 16 | | 8.6 | | 7 | | 96 | | 29 | | 13 | | 9.8 | | | | 0 | U | 0.8 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 30-Apr-07 | 0.1 | 19 | | 7.3 | | 7 | | 128 | | 145 | | 8.6 | | 9.4 | | | | 0 | | 0.3 | | 0.6 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 14-May-07 | 0.1 | 19 | | 6.8 | | 7 | | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 25-May-07 | 0.1 | 23 | | 6.3 | | 7 | | 157 | | 58 | | 7.9 | | 10 | | | | 0.1 | | 0.3 | | 0.9 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 04-Jun-07 | 0.1 | 24 | | 5.6 | | 7 | | 170 | | 600 | B5 | 404 | | 95 | | | | 0.1 | | 0.2 | | 0.3 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 27-Jun-07 | 0.1 | 26 | | 6 | | 7 | | 237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 05-Jul-07 | 0.1 | 26 | | 6.2 | | 7 | | 236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 20-Jul-07 | 0.1 | 24 | | 6.1 | | 7 | | 196 | | 600 | B5 | 76 | | 45 | | | | 0.1 | | 0.5 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 06-Aug-07 | 0.1 | 26 | | 6.6 | | 7 | | 158 | | 165 | | 8.4 | | 9.7 | | | | 0 | | 0.2 | | 0.3 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 15-Aug-07 | 0.1 | 27 | | 3.4 | | 7 | | 308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 07-Sep-07 | 0.1 | 25 | | 4.9 | | 7 | | 391 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 28-Sep-07 | 0.1 | 23 | | 6.2 | | 7 | | 189 | | 100 | | 35 | | 17 | | | | 0 | | 0.7 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 22-Oct-07 | 0.1 | 22 | | 6.7 | | 7 | | 198 | | 102 | | 9.3 | | 8.6 | | | | 0 | U | 0.4 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 30-Nov-07 | 0.1 | 12 | | 8.2 | | 7 | | 219 | | 29 | | 4.1 | | 5.3 | | | | 0 | U | 0.4 | | 0.5 | | 0.6 | | | | | | | | | | | | | | | | | | | | | | | |
| J3210000 | 17-Dec-07 | 0.1 | 8 | | 8.6 | | 7 | | 219 | | 600 | B5 | 79 | | 50 | | | | 0 | U | 0.7 | | 0.7 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 29-Jan-07 | 0.1 | 4.8 | | 11 | | 7 | | 115 | | 25 | | 8.7 | | 11 | | | | 0.2 | | 0.3 | | 0.6 | | 0.1 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 22 | | 344 | | 139 | | 161 | | 5 | U | 0 | U |
| J3970000 | 26-Feb-07 | 0.1 | 7.5 | | 11 | | 7 | | 178 | | 340 | | 23 | | 35 | | | | 0.1 | | 0.3 | | 0.4 | | 0.1 | | 1 | U | 5 | U | 7 | | 10 | U | 5 | U | 31 | | 1160 | | 1899 | | 122 | | 5 | U | 0 | U |
| J3970000 | 29-Mar-07 | 0.1 | 17 | | 8.3 | | 7 | | 143 | | 182 | B1 | 7.2 | | 11 | | | | 0 | U | 0.9 | | 0.3 | | 0.1 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 19 | | 189 | | 1357 | | 116 | | 5 | U | 0 | U |
| J3970000 | 30-Apr-07 | 0.1 | 18 | | 7.4 | | 7 | | 168 | | 180 | B4 | 4.2 | | 9.7 | | | | 0.1 | | 0.4 | | 0.5 | | 0.1 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 13 | | 175 | | 1301 | | 144 | | 5 | U | 0 | U |
| J3970000 | 14-May-07 | 0.1 | 18 | | 7.8 | | 7 | | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 25-May-07 | 0.1 | 22 | | 6.5 | | 7 | | 188 | | 68 | | 3.5 | | 24 | | | | 0 | | 0.2 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 04-Jun-07 | 0.1 | 23 | | 6.4 | | 7 | | 182 | | 600 | B5 | 82 | | 65 | | | | 0.1 | | 0.2 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 27-Jun-07 | 0.1 | 24 | | 7.4 | | 7 | | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 05-Jul-07 | 0.1 | 22 | | 7.5 | | 7 | | 196 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 20-Jul-07 | 0.1 | 24 | | 5.9 | | 7 | | 204 | | 600 | B5 | 21 | | 30 | | | | 0.1 | | 0.4 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 06-Aug-07 | 0.1 | 24 | | 6.3 | | 7 | | 161 | | 38 | | 2.6 | | 6.3 | | | | 0 | U | 0.2 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 15-Aug-07 | 0.1 | 24 | | 6.9 | | 7 | | 177 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 07-Sep-07 | 0.1 | 23 | | 5.6 | | 7 | | 177 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 28-Sep-07 | 0.1 | 22 | | 6.5 | | 7 | | 161 | | 80 | | 7 | | 9.8 | | | | 0 | U | 0.2 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 22-Oct-07 | 0.1 | 21 | | 7.3 | | 7 | | 183 | | 280 | | 1.9 | | 5.7 | | | | 0 | U | 0.2 | U | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 30-Nov-07 | 0.1 | 9.8 | | 10 | | 7 | | 155 | | 29 | | 2.5 | | 4.9 | | | | 0 | U | 0.4 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J3970000 | 17-Dec-07 | 0.1 | 7.3 | | 11 | | 7 | | 154 | | 600 | | 22 | | 29 | | | | 0 | U | 0.2 | U | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 29-Jan-07 | 0.1 | 6.8 | | 11 | | 7 | | 79 | | 43 | | 16 | | 17 | | | | 0.1 | | 0.6 | | 0.4 | | 0.1 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 10 | U | 774 | | 1331 | | 127 | | 5 | U | 0 | U |
| J4050000 | 26-Feb-07 | 0.1 | 7.3 | | 10 | | 7 | | 157 | | 290 | | 17 | | 20 | | | | 0.1 | | 1.5 | | 0.4 | | 0.1 | | 1 | U | 5 | U | 4 | | 10 | U | 5 | U | 11 | | 873 | | 1445 | | 92 | | 5 | U | 0 | U |

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J4050000 | 29-Mar-07 | 0.1 | 16 | | 9 | | 7 | | 87 | | 140 | B1 | 11 | | 12 | | | | 0 | U | 0.9 | | 0.2 | | 0.1 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 10 | U | 448 | | 1071 | | 95 | | 5 | U | 0 | U |
| J4050000 | 30-Apr-07 | 0.1 | 18 | | 7.5 | | 7 | | 124 | | 43 | | 7.8 | | 13 | | | | 0.1 | | 0.6 | | 0.2 | | 0.1 | | 1 | U | 5 | U | 2 | U | 10 | U | 5 | U | 10 | U | 257 | | 730 | | 101 | | 5 | U | 0 | U |
| J4050000 | 14-May-07 | 0.1 | 20 | | 7.3 | | 7 | | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 25-May-07 | 0.1 | 20 | | 7 | | 7 | | 149 | | 49 | | 6 | | 7.7 | | | | 0 | | 0.3 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 04-Jun-07 | 0.1 | 23 | | 6.5 | | 7 | | 155 | | 600 | B5 | 135 | | 130 | | | | 0.1 | | 0.9 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 27-Jun-07 | 0.1 | 27 | | 5.8 | | 7 | | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 05-Jul-07 | 0.1 | 26 | | 6.3 | | 7 | | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 20-Jul-07 | 0.1 | 23 | | 6.3 | | 7 | | 169 | | 740 | B3 | 26 | | 40 | | | | 0.1 | | 0.6 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 06-Aug-07 | 0.1 | 24 | | 6.7 | | 7 | | 132 | | 260 | | 11 | | 12 | | | | 0 | | 0.5 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 15-Aug-07 | 0.1 | 27 | | 6 | | 7 | | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 07-Sep-07 | 0.1 | 26 | | 6.8 | | 7 | | 114 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 28-Sep-07 | 0.1 | 22 | | 6.7 | | 7 | | 135 | | 320 | | 16 | | 11 | | | | 0 | | 0.6 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 22-Oct-07 | 0.1 | 21 | | 7.5 | | 7 | | 150 | | 270 | | 7.8 | | 9.8 | | | | 0 | U | 0.4 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 30-Nov-07 | 0.1 | 10 | | 10 | | 7 | | 126 | | 42 | | 4.4 | | 5.1 | | | | 0 | U | 0.5 | | 0.2 | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| J4050000 | 17-Dec-07 | 0.1 | 7 | | 12 | | 7 | | 138 | | 950 | B3 | 18 | | 27 | | | | 0 | U | 0.5 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 29-Jan-07 | 0.1 | 4.6 | | 11 | | 7 | | 95 | | 86 | | 5.5 | | 8.5 | | | | 0.1 | | 0.4 | | 2.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 26-Feb-07 | 0.1 | 7.1 | | 11 | | 7 | | 174 | | 170 | B4 | 11 | | 13 | | | | 0 | | 1.6 | | 1.6 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 29-Mar-07 | 0.1 | 16 | | 8.8 | | 7 | | 95 | | 500 | | 7.3 | | 11 | | | | 0 | | 0.6 | | 0.8 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 30-Apr-07 | 0.1 | 17 | | 7.7 | | 7 | | 110 | | 400 | | 5.3 | | 10 | | | | 0 | | 0.4 | | 1.6 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 14-May-07 | 0.1 | 16 | | 8.8 | | 7 | | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 25-May-07 | 0.1 | 20 | | 6.9 | | 7 | | 132 | | 62 | | 10 | | 17 | | | | 0.1 | | 0.6 | | 1.9 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 04-Jun-07 | 0.1 | 22 | | 6.2 | | 7 | | 126 | | 670 | B3 | 98 | | 40 | | | | 0.1 | | 0.6 | | 0.9 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 27-Jun-07 | 0.1 | 23 | | 7.2 | | 7 | | 181 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 05-Jul-07 | 0.1 | 21 | | 7.7 | | 7 | | 209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 20-Jul-07 | 0.1 | 23 | | 6.5 | | 7 | | 143 | | 610 | B3 | 18 | | 10 | | | | 0.1 | | 0.4 | | 0.8 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 06-Aug-07 | 0.1 | 23 | | 6.4 | | 7 | | 147 | | 360 | | 2.9 | | 4.2 | | | | 0 | U | 0.4 | | 1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 15-Aug-07 | 0.1 | 23 | | 7.8 | | 7 | | 212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 07-Sep-07 | 0.1 | 21 | | 7.8 | | 7 | | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 28-Sep-07 | 0.1 | 21 | | 6.5 | | 7 | | 147 | | 88 | | 122 | | 9 | | | | 0 | U | 0.5 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 22-Oct-07 | 0.1 | 20 | | 7.1 | | 7 | | 162 | | 240 | | 7.2 | | 6.2 | | | | 0 | U | 0.2 | U | 1.8 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 30-Nov-07 | 0.1 | 9.2 | | 11 | | 7 | | 146 | | 86 | | 7.5 | | 3.9 | | | | 0 | U | 0.4 | | 1.9 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4080000 | 17-Dec-07 | 0.1 | 5.2 | | 12 | | 7 | | 195 | | 610 | B3 | 6.9 | | 16 | | | | 0 | U | 0.2 | U | 1.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 29-Jan-07 | 0.1 | 7.4 | | 10 | | 7 | | 93 | | 51 | | 19 | | 20 | | | | 0.1 | | 0.6 | | 0.4 | | 0.1 | | 1 | U | 5 | U | 4 | | 10 | U | 5 | U | 10 | U | 909 | | 1562 | | 139 | | 5 | U | 0 | U |
| J4130000 | 26-Feb-07 | 0.1 | 6.8 | | 11 | | 7 | | 143 | | 470 | | 48 | | 28 | | | | 0.1 | | 1.1 | | 0.6 | | 0.2 | | 1 | U | 5 | U | 7 | | 10 | U | 5 | U | 23 | | 1545 | | 1908 | | 139 | | 5 | U | 0 | U |
| J4130000 | 29-Mar-07 | 0.1 | 16 | | 8.6 | | 7 | | 135 | | 173 | B1 | 11 | | 12 | | | | 0 | U | 0.9 | | 0.5 | | 0.2 | | 1 | U | 5 | U | 2 | | 10 | U | 5 | U | 10 | U | 281 | | 837 | | 76 | | 5 | U | 0 | U |
| J4130000 | 30-Apr-07 | 0.1 | 17 | | 8.4 | | 7 | | 120 | | 45 | | 11 | | 11 | | | | 0.1 | | 0.4 | | 0.7 | | 0.4 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 10 | U | 353 | | 811 | | 89 | | 5 | U | 0 | U |
| J4130000 | 14-May-07 | 0.1 | 20 | | 7.2 | | 7 | | 142 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 25-May-07 | 0.1 | 19 | | 6.8 | | 7 | | 141 | | 78 | | 12 | | 17 | | | | 0.1 | | 0.5 | | 1.1 | | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 04-Jun-07 | 0.1 | 21 | | 6.7 | | 7 | | 149 | | 600 | B5 | 218 | | 100 | | | | 0.1 | | 1 | | 0.3 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 27-Jun-07 | 0.1 | 27 | | 5.8 | | 7 | | 281 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 05-Jul-07 | 0.1 | 25 | | 6.3 | | 7 | | 299 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 20-Jul-07 | 0.1 | 23 | | 6.3 | | 7 | | 164 | | 620 | B3 | 45 | | 36 | | | | 0.1 | | 0.7 | | 0.4 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 06-Aug-07 | 0.1 | 22 | | 6.7 | | 7 | | 162 | | 280 | | 14 | | 15 | | | | 0 | U | 0.4 | | 0.5 | | 0.5 | | | | | | | | | | | | | | | | | | | | | | | |

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J4130000 | 15-Aug-07 | 0.1 | 27 | | 6.1 | | 7 | | 218 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 07-Sep-07 | 0.1 | 26 | | 6.3 | | 7 | | 265 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 28-Sep-07 | 0.1 | 20 | | 7 | | 7 | | 126 | | 170 | | 14 | | 12 | | | | 0 | | 0.5 | | 0.8 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 22-Oct-07 | 0.1 | 19 | | 7.4 | | 7 | | 146 | | 153 | B4 | 9.3 | | 9.1 | | | | 0 | U | 0.4 | | 0.8 | | 0.5 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 30-Nov-07 | 0.1 | 9.9 | | 10 | | 7 | | 184 | | 53 | | 2.4 | | 3.6 | | | | 0 | U | 0.9 | | 1.4 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4130000 | 17-Dec-07 | 0.1 | 6.3 | | 11 | | 7 | | 180 | | 600 | B5 | 26 | | 30 | | | | 0 | | 0.4 | | 0.6 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 29-Jan-07 | 0.1 | 7.3 | | 10 | | 7 | | 98 | | 49 | | 17 | | 19 | | | | 0.1 | | 0.6 | | 0.5 | | 0.1 | | 1 | U | 5 | U | 4 | | 10 | U | 5 | U | 10 | | 994 | | 1503 | | 146 | | 5 | U | 0 | U |
| J4170000 | 26-Feb-07 | 0.1 | 7 | | 11 | | 7 | | 160 | | 440 | | 25 | | 28 | | | | 0.2 | | 0.5 | | 0.7 | | 0.1 | | 1 | U | 5 | U | 7 | | 10 | U | 5 | U | 22 | | 2084 | | 2431 | | 164 | | 5 | U | 0 | U |
| J4170000 | 29-Mar-07 | 0.1 | 17 | | 8.2 | | 7 | | 134 | | 47 | | 12 | | 9.1 | | | | 0 | | 1 | | 0.6 | | 0.2 | | 1 | U | 5 | U | 3 | | 10 | U | 5 | U | 121 | | 850 | | 1543 | | 152 | | 5 | U | 0 | U |
| J4170000 | 30-Apr-07 | 0.1 | 17 | | 8.3 | | 7 | | 104 | | 53 | | 9.9 | | 12 | | | | 0.1 | | 0.4 | | 0.7 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 14-May-07 | 0.1 | 20 | | 6.9 | | 7 | | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 25-May-07 | 0.1 | 19 | | 7 | | 7 | | 117 | | 90 | | 6.8 | | 15 | | | | 0.1 | | 0.5 | | 0.8 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 04-Jun-07 | 0.1 | 21 | | 6.8 | | 7 | | 121 | | 600 | B5 | 249 | | 120 | | | | 0.1 | | 0.9 | | 0.3 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 27-Jun-07 | 0.1 | 27 | | 5.7 | | 7 | | 275 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 05-Jul-07 | 0.1 | 25 | | 6.1 | | 7 | | 304 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 20-Jul-07 | 0.1 | 23 | | 6.5 | | 7 | | 126 | | 460 | | 28 | | 32 | | | | 0.1 | | 0.6 | | 0.4 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 06-Aug-07 | 0.1 | 23 | | 6.6 | | 7 | | 135 | | 200 | | 12 | | 16 | | | | 0 | | 0.4 | | 0.3 | | 0.5 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 15-Aug-07 | 0.1 | 27 | | 6 | | 7 | | 222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 07-Sep-07 | 0.1 | 26 | | 6.3 | | 7 | | 272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 28-Sep-07 | 0.1 | 21 | | 7 | | 7 | | 118 | | 68 | | 16 | | 11 | | | | 0 | | 0.5 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 22-Oct-07 | 0.1 | 19 | | 7.6 | | 7 | | 129 | | 90 | | 7.9 | | 9.1 | | | | 0 | U | 0.3 | | 0.4 | | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 30-Nov-07 | 0.1 | 9.5 | | 10 | | 7 | | 178 | | 26 | | 2.4 | | 4.4 | | | | 0 | U | 0.5 | | 0.7 | | 0.8 | | | | | | | | | | | | | | | | | | | | | | | |
| J4170000 | 17-Dec-07 | 0.1 | 5.8 | | 11 | | 7 | | 204 | | 600 | B5 | 35 | | 36 | | | | 0 | U | 0.2 | U | 0.7 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 29-Jan-07 | 0.1 | 5.3 | | 12 | | 7 | | 114 | | 25 | | 8.8 | | 12 | | | | 0.1 | | 0.4 | | 0.6 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 26-Feb-07 | 0.1 | 8.1 | | 9.6 | | 7 | | 173 | | 157 | B4 | 24 | | 35 | | | | 0.1 | | 1.5 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 29-Mar-07 | 0.1 | 16 | | 8.8 | | 7 | | 148 | | 460 | | 12 | | 15 | | | | 0 | U | 0.7 | | 0.7 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 30-Apr-07 | 0.1 | 20 | | 7.5 | | 7 | | 185 | | 116 | | 8.1 | | 8.4 | | | | 0.1 | | 0.3 | | 0.5 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 14-May-07 | 0.1 | 20 | | 6.5 | | 7 | | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 25-May-07 | 0.1 | 23 | | 6.4 | | 7 | | 198 | | 83 | | 11 | | 9.6 | | | | 0 | | 0.3 | | 0.6 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 04-Jun-07 | 0.1 | 25 | | 5.7 | | 7 | | 211 | | 600 | B5 | 86 | | 65 | | | | 0.2 | | 0.6 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 27-Jun-07 | 0.1 | 26 | | 6 | | 7 | | 198 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 05-Jul-07 | 0.1 | 22 | | 4.5 | | 7 | | 136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 20-Jul-07 | 0.1 | 25 | | 5.9 | | 7 | | 213 | | 260 | | 31 | | 33 | | | | 0.1 | | 0.6 | | 0.3 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 06-Aug-07 | 0.1 | 26 | | 6.5 | | 7 | | 183 | | 78 | | 7.5 | | 9.3 | | | | 0 | | 0.4 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 15-Aug-07 | 0.1 | 27 | | 4.3 | | 7 | | 131 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 07-Sep-07 | 0.1 | 23 | | 1.9 | | 7 | | 189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 28-Sep-07 | 0.1 | 23 | | 6.2 | | 7 | | 234 | | 320 | | 7.9 | | 8.8 | | | | 0 | | 0.4 | | 0.3 | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 22-Oct-07 | 0.1 | 22 | | 6.6 | | 7 | | 243 | | 200 | | 4.5 | | 7.3 | | | | 0 | U | 0.2 | U | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 30-Nov-07 | 0.1 | 12 | | 8.8 | | 7 | | 181 | | 30 | | 1.4 | | 3.9 | | | | 0 | U | 0.5 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4414000 | 17-Dec-07 | 0.1 | 8.6 | | 9 | | 7 | | 169 | | 590 | | 17 | | 20 | | | | 0 | U | 0.6 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 17-Jan-07 | 0.1 | 8.7 | | 11 | | 7 | | 86 | | 200 | | 7.1 | | 14 | | | | 0.1 | | 0.4 | | 0.4 | | 0 | Y | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 28-Feb-07 | 0.1 | 11 | | 10 | | 7 | | 98 | | 69 | | 12 | | 16 | | | | 0 | U | 0.7 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J4590000 | 28-Mar-07 | 0.1 | 20 | | 8.6 | | 7 | | 73 | | 54 | | 9.2 | | 11 | | | | 0 | U | 0.9 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 11-Apr-07 | 0.1 | 12 | | 9.4 | | 7 | | 104 | | 290 | | 5 | | 9.5 | | | | 0 | | 0.4 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 04-May-07 | 0.1 | 19 | | 7.7 | | 7 | | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 30-May-07 | 0.1 | 23 | | 6.3 | | 7 | | 125 | | 22 | | 2.3 | | 7.2 | | | | 0.1 | | 0.4 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 13-Jun-07 | 0.1 | 23 | | 7.2 | | 7 | | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 28-Jun-07 | 0.1 | 26 | | 5.7 | | 7 | | 136 | | 50 | | 3.1 | | 12 | | | | 0 | | 0.7 | | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 19-Jul-07 | 0.1 | 26 | | 5.9 | | 7 | | 158 | | 790 | B3 | 164 | | 140 | | | | 0.1 | | 1.2 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 30-Jul-07 | 0.1 | 26 | | 7.1 | | 7 | | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 13-Aug-07 | 0.1 | 26 | | 6.6 | | 7 | | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 24-Aug-07 | 0.1 | 27 | | 5.9 | | 7 | | 163 | | 62 | | 1.8 | | 5 | | | | 0.1 | | 0.5 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 05-Sep-07 | 0.1 | 24 | | 4.8 | | 7 | | 108 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 19-Sep-07 | 0.1 | 21 | | 7.7 | | 7 | | 50 | U | 310 | | 4 | | 16 | | | | 0.1 | | 0.5 | | 0 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 31-Oct-07 | 0.1 | 18 | | 7.1 | | 7 | | 113 | | 145 | B4 | 16 | | 21 | | | | 0 | U | 0.5 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 27-Nov-07 | 0.1 | 13 | | 7.3 | | 7 | | 175 | | 34 | | 1 | U | 4.2 | | | | 0 | U | 0.3 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4590000 | 27-Dec-07 | 0.1 | 8.3 | | 11 | | 7 | | 138 | | 600 | B5 | 16 | | 65 | | | | 0 | U | 0.7 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 17-Jan-07 | 0.1 | 8.7 | | 11 | | 7 | | 121 | | 54 | | 6.6 | | 13 | | | | 0.1 | | 0.5 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 28-Feb-07 | 0.1 | 8.2 | | 9.8 | | 7 | | 122 | | 82 | | 11 | | 18 | | | | 0.1 | | 0.6 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 28-Mar-07 | 0.1 | 19 | | 8.6 | | 7 | | 148 | | 92 | | 18 | | 14 | | | | 0 | | 1 | | 0.3 | | 0.4 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 11-Apr-07 | 0.1 | 12 | | 9.3 | | 7 | | 177 | | 45 | | 6.3 | | 11 | | | | 0 | | 0.5 | | 0.4 | | 0.5 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 04-May-07 | 0.1 | 19 | | 7.2 | | 7 | | 198 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 30-May-07 | 0.1 | 20 | | 6.7 | | 7 | | 157 | | 114 | | 8.4 | | 8.2 | | | | 0 | | 0.7 | | 0.3 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 13-Jun-07 | 0.1 | 21 | | 6.5 | | 7 | | 297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 28-Jun-07 | 0.1 | 21 | | 6.6 | | 7 | | 136 | | 240 | | 6 | | 8.1 | | | | 0 | | 0.9 | | 0.3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 19-Jul-07 | 0.1 | 22 | | 6.3 | | 7 | | 177 | | 600 | B5 | 30 | | 31 | | | | 0.1 | | 0.9 | | 0.2 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 30-Jul-07 | 0.1 | 25 | | 6.5 | | 7 | | 318 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 13-Aug-07 | 0.1 | 24 | | 5.9 | | 7 | | 389 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 24-Aug-07 | 0.1 | 24 | | 6.4 | | 7 | | 130 | | 600 | B5 | 20 | | 23 | | | | 0 | U | 1 | | 0.2 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 05-Sep-07 | 0.1 | 23 | | 6.3 | | 7 | | 409 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 19-Sep-07 | 0.1 | 20 | | 7.8 | | 7 | | 176 | | 80 | | 28 | | 9.8 | | | | 0.1 | | 0.8 | | 0.6 | | 0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 31-Oct-07 | 0.1 | 18 | | 7.2 | | 7 | | 214 | | 94 | | 13 | | 13 | | | | 0 | U | 0.6 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 27-Nov-07 | 0.1 | 14 | | 6.8 | | 7 | | 180 | | 40 | | 3.7 | | 4.6 | | | | 0 | U | 0.5 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J4980000 | 27-Dec-07 | 0.1 | 7.8 | | 9.6 | | 7 | | 179 | | 500 | | 22 | | 39 | | | | 0 | | 0.8 | | 0.3 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 17-Jan-07 | 0.1 | 8.4 | | 10 | | 7 | | 107 | | 46 | | 7.9 | | 15 | | | | 0.1 | | 0.4 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 28-Feb-07 | 0.1 | 11 | | 10 | | 7 | | 115 | | 64 | | 16 | | 19 | | | | 0.1 | | 0.6 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 28-Mar-07 | 0.1 | 19 | | 8.5 | | 7 | | 95 | | 37 | | 7.3 | | 11 | | | | 0 | | 0.6 | | 0.4 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 11-Apr-07 | 0.1 | 11 | | 9.4 | | 7 | | 112 | | 18 | B1 | 3.2 | | 8.2 | | | | 0 | | 0.4 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 04-May-07 | 0.1 | 19 | | 7.7 | | 7 | | 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 30-May-07 | 0.1 | 23 | | 6.4 | | 7 | | 154 | | 114 | | 6.4 | | 11 | | | | 0 | | 0.5 | | 0.4 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 13-Jun-07 | 0.1 | 22 | | 6.9 | | 7 | | 185 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 28-Jun-07 | 0.1 | 25 | | 6 | | 7 | | 162 | | 137 | B4 | 2.1 | | 5.5 | | | | 0 | | 0.6 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 19-Jul-07 | 0.1 | 26 | | 6.1 | | 7 | | 170 | | 870 | B3 | 43 | | 85 | | | | 0.1 | | 1 | | 0.1 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 30-Jul-07 | 0.1 | 25 | | 7 | | 7 | | 202 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 13-Aug-07 | 0.1 | 24 | | 5.5 | | 7 | | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Station | Date (m/d/yyyy) | Depth (m) | Temperature ( C) | Temp_rmk | DO (mg/l) | DO_rmk | pH (su) | pH_rmk | Conductivity (umhos/cm) | Conductivity_rmk | Fecal Coliform (/100 mls) | Fecal Coliform_rmk | Suspended Residue (mg/ | Suspended Residue_rmk | Turbidity (NTU) | Turbidity_rmk | Chlorophyll-a (ug/l) | Chlorophyll-a_rmk | NH3_N (mg/l) | NH3_N_rmk | TKN_N (mg/l) | TKN_N_rmk | NO2_NO3_N (mg/l) | NO2_NO3_N_rmk | TP (mg/l) | TP_rmk | Cadmium, Cd (ug/l) | Cadmium, Cd_rmk | Chromium, Cr (ug/l) | Chromium, Cr_rmk | Copper, Cu (ug/l) | Copper, Cu_rmk | Nickel, Ni (ug/l) | Nickel, Ni_rmk | Lead, Pb (ug/l) | Lead, Pb_rmk | Zinc, Zn (ug/l) | Zinc, Zn_rmk | Aluminum, Al (ug/l) | Aluminum, Al_rmk | Iron, Fe (ug/l) | Iron, Fe_rmk | Manganese, Mn (ug/l) | Manganese, Mn_rmk | Arsenic, As (ug/l) | Arsenic, As_rmk | Mercury, Hg (ug/l) | Mercury, Hg_rmk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J5010000 | 24-Aug-07 | 0.1 | 27 | | 6.1 | | 7 | | 152 | | 108 | | 1.9 | | 3.7 | | | | 0 | U | 0.5 | | 0.1 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 05-Sep-07 | 0.1 | 23 | | 5.7 | | 7 | | 252 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 19-Sep-07 | 0.1 | 20 | | 8 | | 7 | | 94 | | 260 | | 1 | U | 13 | | | | 0.1 | | 0.6 | | 0.2 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 31-Oct-07 | 0.1 | 18 | | 6.8 | | 7 | | 162 | | 280 | | 11 | | 21 | | | | 0 | U | 0.6 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 27-Nov-07 | 0.1 | 14 | | 7.1 | | 7 | | 206 | | 38 | | 1.7 | | 3.9 | | | | 0 | U | 0.2 | | 0 | U | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5010000 | 27-Dec-07 | 0.1 | 8.1 | | 10 | | 7 | | 184 | | 220 | | 12 | | 22 | | | | 0.1 | | 0.4 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 19-Jan-07 | 0.1 | 11 | | 8.4 | | 7 | | 78 | | 68 | | 5.2 | | 6.7 | | | | 0.1 | | 0.4 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 23-Feb-07 | 0.1 | 6.7 | | 9.4 | | 7 | | 85 | | 21 | | 2.7 | | 4.9 | | | | 0 | | 1 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 30-Mar-07 | 0.1 | 13 | | 6.8 | | 6 | | 52 | | 72 | | 3.1 | | 13 | | | | 0 | U | 0.6 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 23-Apr-07 | 0.1 | 15 | | 6.3 | | 6 | | 50 | U | 16 | B1 | 5.4 | | 7.6 | | | | 0 | | 0.3 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 14-May-07 | 0.1 | 18 | | 6.5 | | 6 | | 70 | | 41 | | 5.9 | | 11 | | | | 0.1 | | 0.4 | | 0.2 | | 0 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 29-May-07 | 0.1 | 23 | | 1.3 | | 6 | | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 18-Jun-07 | 0.1 | 20 | | 4.1 | | 6 | | 62 | | 420 | | 2.8 | | 10 | | | | 0.1 | | 0.4 | | 0 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 28-Jun-07 | 0.1 | 27 | | 0.6 | | 6 | | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 11-Jul-07 | 0.1 | 27 | | 0.2 | | 6 | | 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 27-Jul-07 | 0.1 | 21 | | 4.3 | | 6 | | 58 | | 35 | | 4.9 | | 5.6 | | | | 0 | U | 0.7 | | 0.1 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 08-Aug-07 | 0.1 | 29 | | 0.4 | | 7 | | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 20-Aug-07 | 0.1 | 22 | | 4.1 | | 7 | | 74 | | 78 | | 6.2 | | 9 | | | | 0.1 | | 0.6 | | 1.2 | | 0.8 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 06-Sep-07 | 0.1 | 25 | | 0.9 | | 6 | | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 21-Sep-07 | 0.1 | 20 | | 4.4 | | 6 | | 71 | | 62 | | 4.2 | | 3.7 | | | | 0.2 | | 0.4 | | 0.3 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 29-Oct-07 | 0.1 | 15 | | 3.9 | | 7 | | 92 | | 150 | B4 | 15 | | 19 | | | | 0 | U | 0.6 | | 0.2 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 29-Nov-07 | 0.1 | 12 | | 3.2 | | 6 | | 84 | | 16 | B1 | 1.2 | | 3.4 | | | | 0.1 | | 0.2 | | 0.5 | | 0.1 | | | | | | | | | | | | | | | | | | | | | | | |
| J5620000 | 20-Dec-07 | 0.1 | 5.5 | | 2.1 | | 6 | | 95 | | 32 | | 4.4 | | 5.2 | | | | 0 | | 0.3 | | 0.4 | | 0.2 | | | | | | | | | | | | | | | | | | | | | | | |