

Table 17. Continuously collected measurements of water-quality properties from surface-water sites on Fish Creek, Wyoming, August 2008.

[°C, degrees Celsius; mS/cm, millisiemens per centimeter at 25°C; µS/cm, microsiemens per centimeter at 25°C; mg/L, milligrams per liter]

| Site A-R7 | | | | | |
|-------------------------------|--------------------------------|-----------------------------|----------------|----------------------|-------------------|
| Date and time | Dissolved oxygen concentration | Dissolved oxygen saturation | pH | Specific conductance | Water temperature |
| month/day/year hour:minute | mg/L | percent | standard units | µS/cm | °C |
| 08/19/2008 09:15 | 8.62 | 77.8 | 7.97 | 243 | 10.76 |
| 08/19/2008 09:30 | 8.90 | 80.4 | 8.03 | 242 | 10.85 |
| 08/19/2008 09:45 | 9.14 | 82.9 | 8.08 | 242 | 10.94 |
| 08/19/2008 10:00 | 9.39 | 85.3 | 8.13 | 242 | 11.06 |
| 08/19/2008 10:15 | 9.69 | 88.4 | 8.19 | 241 | 11.25 |
| 08/19/2008 10:30 | 9.90 | 90.7 | 8.25 | 241 | 11.38 |
| 08/19/2008 10:45 | 10.15 | 93.2 | 8.29 | 241 | 11.51 |
| 08/19/2008 11:00 | 10.35 | 95.5 | 8.34 | 241 | 11.73 |
| 08/19/2008 11:15 | 10.53 | 97.3 | 8.39 | 240 | 11.81 |
| 08/19/2008 11:30 | 10.64 | 98.5 | 8.42 | 240 | 11.89 |
| 08/19/2008 11:45 | 10.93 | 101.8 | 8.48 | 239 | 12.12 |
| 08/19/2008 12:00 | 11.16 | 104.3 | 8.52 | 239 | 12.29 |
| 08/19/2008 12:15 | 11.30 | 106.2 | 8.58 | 238 | 12.53 |
| 08/19/2008 12:30 | 11.55 | 109.1 | 8.62 | 237 | 12.73 |
| 08/19/2008 12:45 | 11.94 | 113.4 | 8.67 | 236 | 12.99 |
| 08/19/2008 13:00 | 12.34 | 118.0 | 8.71 | 236 | 13.31 |
| 08/19/2008 13:15 | 12.66 | 121.9 | 8.76 | 235 | 13.62 |
| 08/19/2008 13:30 | 12.94 | 125.4 | 8.80 | 234 | 13.91 |
| 08/19/2008 13:45 | 13.12 | 127.9 | 8.83 | 233 | 14.19 |
| 08/19/2008 14:00 | 13.25 | 129.9 | 8.85 | 232 | 14.42 |
| 08/19/2008 14:15 | 13.32 | 131.2 | 8.88 | 231 | 14.67 |
| 08/19/2008 14:30 | 13.24 | 131.2 | 8.91 | 230 | 14.93 |
| 08/19/2008 14:45 | 12.99 | 129.4 | 8.93 | 229 | 15.18 |
| 08/19/2008 15:00 | 12.77 | 127.8 | 8.96 | 228 | 15.39 |
| 08/19/2008 15:15 | 12.43 | 124.8 | 8.97 | 227 | 15.54 |
| 08/19/2008 15:30 | 12.08 | 121.5 | 8.99 | 227 | 15.66 |
| 08/19/2008 15:45 | 11.84 | 119.4 | 8.99 | 228 | 15.75 |
| 08/19/2008 16:00 | 11.70 | 118.4 | 9.01 | 228 | 15.91 |
| 08/19/2008 16:15 | 11.53 | 116.9 | 9.02 | 227 | 15.99 |
| 08/19/2008 16:30 | 11.54 | 117.3 | 9.03 | 229 | 16.12 |
| 08/19/2008 16:45 | 11.49 | 117.2 | 9.04 | 227 | 16.28 |
| 08/19/2008 17:00 | 11.35 | 116.0 | 9.05 | 226 | 16.39 |
| 08/19/2008 17:15 | 11.25 | 115.1 | 9.05 | 225 | 16.46 |
| 08/19/2008 17:30 | 11.06 | 113.3 | 9.05 | 226 | 16.52 |
| 08/19/2008 17:45 | 10.93 | 112.0 | 9.04 | 225 | 16.51 |
| 08/19/2008 18:00 | 10.77 | 110.4 | 9.03 | 227 | 16.52 |
| 08/19/2008 18:15 | 10.57 | 108.2 | 9.02 | 227 | 16.47 |
| 08/19/2008 18:30 | 10.32 | 105.6 | 9.01 | 228 | 16.42 |
| 08/19/2008 18:45 | 10.18 | 104.1 | 8.99 | 229 | 16.39 |
| 08/19/2008 19:00 | 10.07 | 102.9 | 8.98 | 229 | 16.37 |
| 08/19/2008 19:15 | 9.81 | 100.1 | 8.95 | 229 | 16.31 |
| 08/19/2008 19:30 | 9.60 | 97.9 | 8.92 | 231 | 16.25 |
| 08/19/2008 19:45 | 9.36 | 95.2 | 8.89 | 232 | 16.16 |
| 08/19/2008 20:00 | 9.05 | 91.9 | 8.85 | 233 | 16.05 |
| 08/19/2008 20:15 | 8.79 | 89.0 | 8.80 | 234 | 15.95 |
| 08/19/2008 20:30 | 8.55 | 86.4 | 8.75 | 235 | 15.83 |
| 08/19/2008 20:45 | 8.36 | 84.2 | 8.70 | 236 | 15.70 |
| 08/19/2008 21:00 | 8.16 | 82.0 | 8.64 | 237 | 15.57 |
| 08/19/2008 21:15 | 7.95 | 79.6 | 8.58 | 237 | 15.43 |
| 08/19/2008 21:30 | 7.75 | 77.4 | 8.51 | 238 | 15.29 |
| 08/19/2008 21:45 | 7.57 | 75.3 | 8.43 | 239 | 15.11 |
| 08/19/2008 22:00 | 7.44 | 73.8 | 8.36 | 240 | 14.98 |
| 08/19/2008 22:15 | 7.33 | 72.4 | 8.28 | 241 | 14.83 |
| 08/19/2008 22:30 | 7.20 | 71.0 | 8.21 | 242 | 14.67 |
| 08/19/2008 22:45 | 7.09 | 69.6 | 8.15 | 242 | 14.52 |
| 08/19/2008 23:00 | 7.01 | 68.6 | 8.10 | 243 | 14.36 |
| 08/19/2008 23:15 | 6.94 | 67.7 | 8.05 | 243 | 14.24 |
| 08/19/2008 23:30 | 6.88 | 66.9 | 8.01 | 243 | 14.10 |
| 08/19/2008 23:45 | 6.82 | 66.2 | 7.97 | 244 | 13.93 |
| 08/20/2008 00:00 | 6.76 | 65.3 | 7.94 | 244 | 13.76 |
| 08/20/2008 00:15 | 6.72 | 64.7 | 7.92 | 244 | 13.64 |
| 08/20/2008 00:30 | 6.68 | 64.2 | 7.90 | 244 | 13.51 |
| 08/20/2008 00:45 | 6.65 | 63.7 | 7.88 | 245 | 13.38 |
| 08/20/2008 01:00 | 6.64 | 63.4 | 7.86 | 245 | 13.25 |
| 08/20/2008 01:15 | 6.62 | 63.0 | 7.84 | 245 | 13.12 |
| 08/20/2008 01:30 | 6.61 | 62.8 | 7.83 | 245 | 13.01 |
| 08/20/2008 01:45 | 6.62 | 62.7 | 7.83 | 245 | 12.90 |
| 08/20/2008 02:00 | 6.60 | 62.4 | 7.82 | 244 | 12.79 |
| 08/20/2008 02:15 | 6.61 | 62.4 | 7.81 | 244 | 12.72 |
| 08/20/2008 02:30 | 6.61 | 62.2 | 7.80 | 244 | 12.60 |
| 08/20/2008 02:45 | 6.61 | 62.0 | 7.80 | 244 | 12.51 |
| 08/20/2008 03:00 | 6.62 | 62.1 | 7.79 | 244 | 12.44 |
| 08/20/2008 03:15 | 6.62 | 62.0 | 7.79 | 244 | 12.35 |
| 08/20/2008 03:30 | 6.63 | 61.9 | 7.79 | 244 | 12.26 |
| 08/20/2008 03:45 | 6.64 | 61.9 | 7.78 | 244 | 12.17 |
| 08/20/2008 04:00 | 6.65 | 61.8 | 7.78 | 244 | 12.07 |
| 08/20/2008 04:15 | 6.67 | 61.9 | 7.77 | 244 | 11.97 |
| 08/20/2008 04:30 | 6.68 | 61.9 | 7.77 | 245 | 11.89 |
| 08/20/2008 04:45 | 6.70 | 61.9 | 7.77 | 244 | 11.79 |
| 08/20/2008 05:00 | 6.72 | 62.0 | 7.76 | 244 | 11.72 |
| 08/20/2008 05:15 | 6.70 | 61.7 | 7.76 | 245 | 11.65 |
| 08/20/2008 05:30 | 6.73 | 61.8 | 7.76 | 244 | 11.57 |
| 08/20/2008 05:45 | 6.73 | 61.8 | 7.76 | 245 | 11.50 |
| 08/20/2008 06:00 | 6.75 | 61.9 | 7.75 | 244 | 11.42 |
| 08/20/2008 06:15 | 6.77 | 61.9 | 7.75 | 244 | 11.34 |
| 08/20/2008 06:30 | 6.77 | 61.9 | 7.75 | 244 | 11.26 |
| 08/20/2008 06:45 | 6.80 | 62.0 | 7.75 | 244 | 11.20 |
| 08/20/2008 07:00 | 6.84 | 62.2 | 7.76 | 244 | 11.13 |
| 08/20/2008 07:15 | 6.93 | 63.0 | 7.76 | 244 | 11.08 |
| 08/20/2008 07:30 | 7.04 | 63.9 | 7.78 | 244 | 11.03 |
| 08/20/2008 07:45 | 7.20 | 65.3 | 7.79 | 244 | 11.00 |
| 08/20/2008 08:00 | 7.42 | 67.3 | 7.81 | 244 | 10.98 |
| 08/20/2008 08:15 | 7.65 | 69.4 | 7.84 | 244 | 10.97 |
| 08/20/2008 08:30 | 7.89 | 71.6 | 7.87 | 244 | 10.90 |
| 08/20/2008 08:45 | 8.15 | 74.0 | 7.91 | 244 | 11.03 |
| 08/20/2008 09:00 | 8.36 | 76.0 | 7.95 | 243 | 11.07 |
| 08/20/2008 09:15 | 8.63 | 78.6 | 7.99 | 243 | 11.15 |
| 08/20/2008 09:30 | 8.89 | 81.1 | 8.04 | 243 | 11.23 |
| 08/20/2008 09:45 | 9.20 | 84.1 | 8.09 | 243 | 11.34 |
| 08/20/2008 10:00 | 9.46 | 86.8 | 8.15 | 242 | 11.45 |
| 08/20/2008 10:15 | 9.62 | 88.5 | 8.20 | 242 | 11.59 |
| 08/20/2008 10:30 | 9.86 | 91.0 | 8.25 | 242 | 11.72 |
| 08/20/2008 10:45 | 10.11 | 93.6 | 8.31 | 241 | 11.88 |
| 08/20/2008 11:00 | 10.42 | 96.8 | 8.37 | 241 | 12.04 |
| 08/20/2008 11:15 | 10.67 | 99.5 | 8.42 | 240 | 12.21 |
| 08/20/2008 11:30 | 10.91 | 102.2 | 8.47 | 240 | 12.38 |
| 08/20/2008 11:45 | 11.13 | 104.6 | 8.52 | 240 | 12.54 |
| 08/20/2008 12:00 | 11.25 | 106.2 | 8.57 | 239 | 12.71 |
| 08/20/2008 12:15 | 11.44 | 108.3 | 8.61 | 238 | 12.86 |
| 08/20/2008 12:30 | 11.77 | 111.9 | 8.66 | 238 | 13.04 |
| 08/20/2008 12:45 | 12.10 | 115.4 | 8.71 | 237 | 13.22 |
| 08/20/2008 13:00 | 12.52 | 120.1 | 8.74 | 236 | 13.45 |
| 08/20/2008 13:15 | 12.76 | 123.0 | 8.79 | 236 | 13.68 |
| 08/20/2008 13:30 | 13.04 | 126.4 | 8.82 | 235 | 13.91 |
| 08/20/2008 13:45 | 13.38 | 130.2 | 8.86 | 235 | 14.12 |
| 08/20/2008 14:00 | 13.56 | 132.6 | 8.88 | 234 | 14.35 |
| 08/20/2008 14:15 | 13.50 | 132.6 | 8.91 | 234 | 14.55 |
| 08/20/2008 14:30 | 13.24 | 130.7 | 8.94 | 233 | 14.77 |
| 08/20/2008 14:45 | 12.96 | 128.6 | 8.96 | 233 | 14.98 |
| 08/20/2008 15:00 | 12.74 | 126.9 | 8.98 | 232 | 15.17 |
| 08/20/2008 15:15 | 12.60 | 126.0 | 9.00 | 232 | 15.36 |
| 08/20/2008 15:30 | 12.22 | 122.7 | 9.01 | 232 | 15.53 |
| 08/20/2008 15:45 | 12.05 | 121.3 | 9.03 | 232 | 15.67 |
| 08/20/2008 16:00 | 11.97 | 120.9 | 9.04 | 231 | 15.83 |
| 08/20/2008 16:15 | 11.85 | 120.1 | 9.05 | 230 | 15.96 |
| 08/20/2008 16:30 | 11.70 | 118.9 | 9.06 | 230 | 16.09 |
| 08/20/2008 16:45 | 11.52 | 117.2 | 9.07 | 230 | 16.18 |
| 08/20/2008 17:00 | 11.46 | 116.8 | 9.08 | 229 | 16.26 |
| 08/20/2008 17:15 | 11.31 | 115.4 | 9.07 | 231 | 16.32 |
| 08/20/2008 17:30 | 11.24 | 114.7 | 9.07 | 231 | 16.33 |
| 08/20/2008 17:45 | 11.03 | 112.6 | 9.07 | 231 | 16.35 |
| 08/20/2008 18:00 | 10.82 | 110.5 | 9.07 | 231 | 16.35 |
| 08/20/2008 18:15 | 10.62 | 108.4 | 9.06 | 231 | 16.34 |
| 08/20/2008 18:30 | 10.51 | 107.2 | 9.05 | 231 | 16.32 |
| 08/20/2008 18:45 | 10.35 | 105.6 | 9.03 | 232 | 16.28 |
| 08/20/2008 19:00 | 10.13 | 103.2 | 9.01 | 232 | 16.24 |
| 08/20/2008 19:15 | 9.88 | 100.6 | 8.99 | 233 | 16.17 |
| 08/20/2008 19:30 | 9.54 | 96.9 | 8.96 | 233 | 16.10 |
| 08/20/2008 19:45 | 9.32 | 94.5 | 8.93 | 234 | 16.02 |
| 08/20/2008 20:00 | 9.09 | 92.0 | 8.89 | 235 | 15.93 |
| 08/20/2008 20:15 | 8.81 | 89.0 | 8.85 | 236 | 15.83 |
| 08/20/2008 20:30 | 8.61 | 86.8 | 8.80 | 237 | 15.70 |
| 08/20/2008 20:45 | 8.38 | 84.2 | 8.75 | 238 | 15.57 |
| 08/20/2008 21:00 | 8.13 | 81.3 | 8.69 | 239 | 15.42 |
| 08/20/2008 21:15 | 7.98 | 79.6 | 8.62 | 240 | 15.25 |
| 08/20/2008 21:30 | 7.76 | 77.2 | 8.54 | 241 | 15.11 |
| 08/20/2008 21:45 | 7.61 | 75.4 | 8.46 | 242 | 14.96 |
| 08/20/2008 22:00 | 7.44 | 73.5 | 8.38 | 243 | 14.80 |
| 08/20/2008 22:15 | 7.32 | 72.1 | 8.31 | 243 | 14.65 |
| 08/20/2008 22:30 | 7.16 | 70.3 | 8.22 | 244 | 14.48 |
| 08/20/2008 22:45 | 7.07 | 69.1 | 8.15 | 245 | 14.33 |
| 08/20/2008 23:00 | 6.97 | 67.9 | 8.09 | 245 | 14.16 |
| 08/20/2008 23:15 | 6.91 | 67.1 | 8.04 | 245 | 14.02 |
| 08/20/2008 23:30 | 6.84 | 66.2 | 7.99 | 245 | 13.86 |
| 08/20/2008 23:45 | 6.79 | 65.5 | 7.96 | 246 | 13.70 |
| 08/21/2008 00:00 | 6.76 | 65.0 | 7.93 | 246 | 13.58 |
| 08/21/2008 00:15 | 6.74 | 64.6 | 7.90 | 246 | 13.43 |
| 08/21/2008 00:30 | 6.71 | 64.2 | 7.88 | 246 | 13.28 |
| 08/21/2008 00:45 | 6.70 | 63.8 | 7.86 | 246 | 13.12 |
| 08/21/2008 01:00 | 6.68 | 63.4 | 7.85 | 246 | 12.98 |
| 08/21/2008 01:15 | 6.69 | 63.3 | 7.83 | 246 | 12.84 |
| 08/21/2008 01:30 | 6.69 | 63.1 | 7.82 | 246 | 12.71 |
| 08/21/2008 01:45 | 6.70 | 63.0 | 7.81 | 246 | 12.57 |
| 08/21/2008 02:00 | 6.71 | 62.9 | 7.80 | 246 | 12.42 |
| 08/21/2008 02:15 | 6.72 | 62.8 | 7.80 | 246 | 12.30 |
| 08/21/2008 02:30 | 6.71 | 62.6 | 7.79 | 246 | 12.18 |
| 08/21/2008 02:45 | 6.72 | 62.5 | 7.78 | 246 | 12.07 |
| 08/21/2008 03:00 | 6.73 | 62.4 | 7.78 | 246 | 11.95 |