

Table 9. Summary of measured constituents and properties for Loutsenhizer Arroyo below North River Road near Delta, CO, station 383946107595301  
 [--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; \*, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, pH, and water temperature]

| Constituent or property  | Period (water years) | Number of samples | Number of censored values | Minimum | Median | Maximum | Date of Maximum | 15th percentile | 85th percentile | Chronic standard or standard | Number of exceedances of chronic standard or standard | Acute standard or standard | Number of exceedances of acute standard or standard | LRL   | Level of concern |
|--|----------------------|-------------------|---------------------------|---------|--------|---------|-----------------|-----------------|-----------------|------------------------------|---|----------------------------|---|-------|------------------|
| Instantaneous discharge, in cubic feet per second                | 1995-2017            | 127               | 0                         | 5.3     | 60.0   | 197     | 08/09/16        | 11.8            | 99.0            | --                           | --  | .                          | --  | --    | --               |
| Instantaneous discharge, in cubic feet per second                | 2018-2019            | 12                | 0                         | 7.3     | 66.8   | 120     | 10/11/17        | 8.6             | 94.3            | --                           | --  | .                          | --  | --    | --               |
| Dissolved oxygen, in milligrams per liter                        | 2002-2017            | 42                | 0                         | 6.4     | 8.9    | 12.7    | 12/22/08        | 7.5             | 11.5            | 5.0                          | 0   | --                         | --  | --    | L                |
| Dissolved oxygen, in milligrams per liter                        | 2018-2019            | 12                | 0                         | 7.2     | 9.0    | 11.1    | 02/06/18        | 7.2             | 11.0            | 5.0                          | 0   | --                         | --  | --    | L                |
| pH, in standard units  | 1995-2017            | 123               | 0                         | 7.8     | 8.2    | 8.5     | 02/15/95        | 8.0             | 8.3             | 6.5-9.0                      | 0   | --                         | --  | --    | L                |
| pH, in standard units  | 2018-2019            | 12                | 0                         | 7.9     | 8.1    | 8.3     | 02/06/18        | 8.0             | 8.2             | 6.5-9.0                      | 0   | --                         | --  | --    | L                |
| pH, laboratory, in standard units                                | 1995-2003            | 64                | 0                         | 7.4     | 7.9    | 8.1     | 10/29/02        | 7.7             | 8.0             | 6.5-9.0                      | 0   | --                         | --  | 0.10  | L                |
| Specific conductance, laboratory, in microsiemens per centimeter | 1995-2015            | 66                | 0                         | 1,200   | 2,120  | 5,780   | 02/15/95        | 1,458           | 4,985           | --                           | --  | .                          | --  | 5.0   | --               |
| Specific conductance, in microsiemens per centimeter             | 1995-2017            | 127               | 0                         | 1,238   | 1,920  | 5,770   | 03/15/95        | 1,440           | 4,962           | --                           | --  | .                          | --  | --    | --               |
| Specific conductance, in microsiemens per centimeter             | 2018-2019            | 12                | 0                         | 1,369   | 1,531  | 5,129   | 03/12/19        | 1,411           | 4,889           | --                           | --  | .                          | --  | --    | --               |
| Temperature, water, degrees Celsius                              | 1995-2017            | 127               | 0                         | 0.0     | 8.9    | 20.8    | 07/09/02        | 1.8             | 16.8            | --                           | --  | --                         | --  | --    | --               |
| Temperature, water, degrees Celsius                              | 2018-2019            | 12                | 0                         | 1.9     | 10.9   | 19.4    | 07/11/18        | 4.9             | 18.9            | --                           | --  | --                         | --  | --    | --               |
| Temperature, water, degrees Celsius March-November               | 1995-2017            | 96                | 0                         | 2.3     | 12.9   | 20.8    | 07/09/02        | 5.9             | 17.3            | 28.6                         | 0   | --                         | --  | --    | L                |
| Temperature, water, degrees Celsius March-November               | 2018-2019            | 10                | 0                         | 5.9     | 13.5   | 19.4    | 07/11/18        | 7.5             | 19.1            | 28.6                         | 0   | --                         | --  | --    | L                |
| Temperature, water, degrees Celsius December-February            | 1995-2017            | 31                | 0                         | 0.0     | 1.4    | 6.1     | 02/28/00        | 0.0             | 3.4             | 14.3                         | 0   | --                         | --  | --    | L                |
| Temperature, water, degrees Celsius December-February            | 2018-2019            | 2                 | 0                         | 1.9     | NC     | 5.1     | 02/06/18        | NC              | NC              | 14.3                         | 0   | --                         | --  | --    | NC               |
| Turbidity, in nephelometric turbidity ratio-units                | 2013-2017            | 29                | 0                         | 14.9    | 145.0  | 920.0   | 04/09/15        | 37.2            | 383.0           | --                           | --  | --                         | --  | 2.0   | --               |
| Turbidity, in nephelometric turbidity ratio-units                | 2018-2019            | 12                | 0                         | 11.6    | 137.0  | 403.0   | 06/07/18        | 18.3            | 372.6           | --                           | --  | --                         | --  | 2.0   | --               |
| Dissolved solids, sum of constituents, in milligrams per liter   | 1995-2017            | 117               | 0                         | 887     | 1,567  | 5,087   | 02/14/96        | 1,042           | 4,534           | --                           | --  | .                          | --  | --    | --               |
| Dissolved solids, sum of constituents, in milligrams per liter   | 2018-2019            | 12                | 0                         | 995     | 1,162  | 4,525   | 03/12/19        | 1,013           | 4,316           | --                           | --  | .                          | --  | --    | --               |
| Hardness, in milligrams per liter                                | 1995-2017            | 117               | 0                         | 485     | 847    | 2,697   | 02/10/11        | 599             | 2,118           | --                           | --  | .                          | --  | --    | --               |
| Hardness, in milligrams per liter                                | 2018-2019            | 12                | 0                         | 575     | 707    | 2,208   | 12/06/18        | 591             | 2,204           | --                           | --  | .                          | --  | --    | --               |
| Calcium, in milligrams per liter                                 | 1995-2017            | 117               | 0                         | 130     | 214    | 579     | 02/10/11        | 155             | 450             | --                           | --  | .                          | --  | 0.022 | --               |
| Calcium, in milligrams per liter                                 | 2018-2019            | 12                | 0                         | 141     | 189    | 488     | 12/06/18        | 151             | 441             | --                           | --  | .                          | --  | 0.022 | --               |
| Magnesium, in milligrams per liter                               | 1995-2017            | 117               | 0                         | 39.0    | 75.4   | 310     | 02/15/95        | 50.3            | 240             | --                           | --  | .                          | --  | 0.011 | --               |
| Magnesium, in milligrams per liter                               | 2018-2019            | 12                | 0                         | 51.0    | 56.9   | 270     | 03/12/19        | 51.5            | 242             | --                           | --  | .                          | --  | 0.010 | --               |
| Potassium, in milligrams per liter                               | 1995-2017            | 117               | 0                         | 3.9     | 7.3    | 20.1    | 03/09/10        | 4.8             | 12.0            | --                           | --  | .                          | --  | 0.10  | --               |
| Potassium, in milligrams per liter                               | 2018-2019            | 12                | 0                         | 3.9     | 5.5    | 13.0    | 03/12/19        | 4.8             | 12.7            | --                           | --  | .                          | --  | 0.30  | --               |
| Sodium, in milligrams per liter                                  | 1995-2017            | 117               | 0                         | 88.1    | 169    | 825     | 02/06/09        | 104             | 621             | --                           | --  | .                          | --  | 0.10  | --               |
| Sodium, in milligrams per liter                                  | 2018-2019            | 12                | 0                         | 90.0    | 114    | 590     | 03/12/19        | 96.1            | 535             | --                           | --  | .                          | --  | 0.40  | --               |
| Acid neutralizing capacity, in milligrams per liter              | 1995-1999            | 38                | 0                         | 138     | 197    | 355     | 01/27/99        | 154             | 323             | --                           | --  | .                          | --  | --    | --               |
| Alkalinity, in milligrams per liter                              | 2001-2003            | 26                | 0                         | 149     | 225    | 330     | 01/07/03        | 176             | 323             | --                           | --  | .                          | --  | 2.0   | --               |
| Alkalinity, inflection-point titration, in milligrams per liter  | 2009-2017            | 53                | 0                         | 145     | 200    | 396     | 12/11/13        | 168             | 337             | --                           | --  | .                          | --  | --    | --               |
| Alkalinity, inflection-point titration, in milligrams per liter  | 2018-2019            | 12                | 0                         | 163     | 189    | 360     | 12/06/18        | 164             | 359             | --                           | --  | .                          | --  | --    | --               |
| Bicarbonate, in milligrams per liter                             | 2009-2017            | 53                | 0                         | 176     | 239    | 476     | 12/11/13        | 201             | 409             | --                           | --  | .                          | --  | --    | --               |
| Bicarbonate, in milligrams per liter                             | 2018-2019            | 12                | 0                         | 196     | 226    | 431     | 12/06/18        | 197             | 430             | --                           | --  | .                          | --  | --    | --               |

Table 9. Summary of measured constituents and properties for Loutsenhizer Arroyo below North River Road near Delta, CO, station 383946107595301  
 [--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; \*, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, pH, and water temperature]

| Constituent or property   | Period (water years) | Number of samples | Number of censored values | Minimum | Median | Maximum | Date of Maximum | 15th percentile | 85th percentile | Chronic standard or standard | Number of exceedances of chronic standard or standard | Acute standard or standard | Number of exceedances of acute standard or standard | LRL    | Level of concern |
|---|----------------------|-------------------|---------------------------|---------|--------|---------|-----------------|-----------------|-----------------|------------------------------|---|----------------------------|---|--------|------------------|
| Bromide, in micrograms per liter                                    | 1999-2000            | 2                 | 0                         | 0.192   | NC     | 1.88    | 02/28/00        | NC              | NC              | --                           | --  | --                         | --  | --     | --               |
| Carbonate, in milligrams per liter                                  | 2013-2017            | 30                | 0                         | 0.90    | 2.0    | 5.5     | 05/22/13        | 1.4             | 4.0             | --                           | --  | .                          | --  | --     | --               |
| Carbonate, in milligrams per liter                                  | 2018-2019            | 12                | 0                         | 1.3     | 2.0    | 4.1     | 04/16/19        | 1.5             | 3.8             | --                           | --  | .                          | --  | --     | --               |
| Chloride, in milligrams per liter                                   | 1995-2017            | 117               | 0                         | 8.5     | 17.4   | 86.5    | 03/09/10        | 10.9            | 53.4            | 250                          | 0   | .                          | --  | 0.020  | L                |
| Chloride, in milligrams per liter                                   | 2018-2019            | 12                | 0                         | 7.8     | 11.6   | 53.8    | 03/12/19        | 8.7             | 49.9            | 250                          | 0   | .                          | --  | 0.020  | L                |
| Fluoride in milligrams per liter                                    | 1995-2017            | 117               | 0                         | 0.30    | 0.44   | 0.57    | 05/16/02        | 0.37            | 0.51            | 2.0                          | 0   | .                          | --  | 0.010  | L                |
| Fluoride in milligrams per liter                                    | 2018-2019            | 12                | 0                         | 0.29    | 0.38   | 0.48    | 04/16/19        | 0.33            | 0.46            | 2.0                          | 0   | .                          | --  | 0.010  | L                |
| Silica, in milligrams per liter                                     | 1995-2017            | 117               | 0                         | 5.9     | 12.6   | 17.3    | 04/09/15        | 9.9             | 14.0            | --                           | --  | .                          | --  | 0.018  | --               |
| Silica, in milligrams per liter                                     | 2018-2019            | 12                | 0                         | 7.1     | 13.8   | 16.2    | 07/24/19        | 7.7             | 15.6            | --                           | --  | .                          | --  | 0.050  | --               |
| Sulfate, in milligrams per liter                                    | 1995-2017            | 117               | 0                         | 510     | 936    | 3,300   | 02/14/96        | 602             | 2,883           | 250                          | 117   | .                          | --  | 0.020  | H                |
| Sulfate, in milligrams per liter                                    | 2018-2019            | 12                | 0                         | 564     | 665    | 2,929   | 03/12/19        | 565             | 2,764           | 250                          | 12  | .                          | --  | 0.020  | H                |
| Ammonia plus organic nitrogen (total), in milligrams per liter as N | 2013-2017            | 29                | 0                         | 0.575   | 0.953  | 2.02    | 07/15/13        | 0.718           | 1.57            | --                           | --  | --                         | --  | 0.070  | --               |
| Ammonia plus organic nitrogen (total), in milligrams per liter as N | 2018-2019            | 12                | 0                         | 0.575   | 0.933  | 1.70    | 06/07/18        | 0.755           | 1.56            | --                           | --  | --                         | --  | 0.070  | --               |
| Ammonia, in milligrams per liter as N                               | 2013-2017            | 29                | 7                         | 0 *     | 0.048  | 0.263   | 04/15/14        | 0 *             | 0.117           | 1.91                         | 0   | 4.50                       | 0   | 0.010  | L                |
| Ammonia, in milligrams per liter as N                               | 2018-2019            | 12                | 2                         | 0 *     | 0.047  | 0.178   | 03/12/19        | 0 *             | 0.169           | 1.91                         | 0   | 4.55                       | 0   | 0.010  | L                |
| Nitrite plus nitrate in milligrams per liter as N                   | 1995-2017            | 39                | 0                         | 1.23    | 2.15   | 12.0    | 02/15/95        | 1.42            | 8.45            | --                           | --  | 10.0                       | 2   | 0.040  | --               |
| Nitrite plus nitrate in milligrams per liter as N                   | 2018-2019            | 12                | 0                         | 1.22    | 1.82   | 7.95    | 02/06/18        | 1.36            | 7.75            | --                           | --  | 10.0                       | 0   | 0.040  | --               |
| Nitrite, in milligrams per liter as N                               | 1995-2017            | 30                | 0                         | 0.003   | 0.024  | 0.060   | 12/20/94        | 0.004           | 0.044           | --                           | --  | 0.05                       | 3   | 0.0010 | --               |
| Nitrite, in milligrams per liter as N                               | 2018-2019            | 12                | 1                         | 0 *     | 0.020  | 0.046   | 02/06/18        | 0.003           | 0.043           | --                           | --  | 0.05                       | 0   | 0.0010 | --               |
| Orthophosphate, in milligrams per liter as P                        | 2013-2017            | 29                | 0                         | 0.005   | 0.040  | 0.285   | 04/15/14        | 0.008           | 0.113           | --                           | --  | --                         | --  | 0.0040 | --               |
| Orthophosphate, in milligrams per liter as P                        | 2018-2019            | 12                | 0                         | 0.006   | 0.052  | 0.091   | 07/24/19        | 0.007           | 0.080           | --                           | --  | --                         | --  | 0.0040 | --               |
| Phosphorus (total), in milligrams per liter as P                    | 2013-2017            | 29                | 0                         | 0.032   | 0.430  | 1.52    | 04/09/15        | 0.065           | 0.927           | 0.17                         | 21  | --                         | --  | 0.0040 | H                |
| Phosphorus (total), in milligrams per liter as P                    | 2018-2019            | 12                | 0                         | 0.019   | 0.369  | 1.07    | 06/07/18        | 0.040           | 1.00            | 0.17                         | 8   | --                         | --  | 0.0040 | H                |
| Aluminum, in micrograms per liter                                   | 1999                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 03/09/99        | NC              | NC              | 1,438                        | 0   | 10,071                     | 0   | --     | NC               |
| Barium, in micrograms per liter                                     | 1999                 | 1                 | 0                         | 21.9    | NC     | 21.9    | 03/09/99        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Cadmium, in micrograms per liter                                    | 1997-1999            | 2                 | 2                         | 0 *     | NC     | 0 *     | 08/12/97        | NC              | NC              | 2.0                          | 0   | 10.0                       | 0   | --     | NC               |
| Cadmium (total), in micrograms per liter                            | 1997                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Chromium, in micrograms per liter                                   | 1997-1999            | 2                 | 2                         | 0 *     | NC     | 0 *     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Chromium (total), in micrograms per liter                           | 1997                 | 1                 | 0                         | 4.7     | NC     | 4.7     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Cobalt, in micrograms per liter                                     | 1999                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 03/09/99        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Copper, in micrograms per liter                                     | 1997-1999            | 2                 | 0                         | 1.6     | NC     | 7.8     | 03/09/99        | NC              | NC              | 29.3                         | 0   | 49.6                       | 0   | --     | NC               |
| Copper, unfiltered, in micrograms per liter                         | 1997                 | 1                 | 0                         | 6.8     | NC     | 6.8     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |
| Iron, in micrograms per liter                                       | 1997                 | 1                 | 0                         | 3.6     | NC     | 3.6     | 08/12/97        | NC              | NC              | 300                          | 0   | .                          | --  | --     | NC               |
| Iron, unfiltered, in micrograms per liter                           | 1997                 | 1                 | 0                         | 4,870   | NC     | 4,870   | 08/12/97        | NC              | NC              | 1,400                        | 1   | .                          | --  | --     | NC               |
| Lead, in micrograms per liter                                       | 1997-1999            | 2                 | 2                         | 0 *     | NC     | 0 *     | 08/12/97        | NC              | NC              | 10.9                         | 0   | 281                        | 0   | --     | NC               |
| Lead, unfiltered, in micrograms per liter                           | 1997                 | 1                 | 0                         | 7.3     | NC     | 7.3     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --     | --               |

Table 9. Summary of measured constituents and properties for Loutsenhizer Arroyo below North River Road near Delta, CO, station 383946107595301  
 [--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; \*, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, pH, and water temperature]

| Constituent or property                        | Period (water years) | Number of samples | Number of censored values | Minimum | Median | Maximum | Date of Maximum | 15th percentile | 85th percentile | Chronic standard or standard | Number of exceedances of chronic standard or standard | Acute standard or standard | Number of exceedances of acute standard or standard | LRL   | Level of concern |
|--|----------------------|-------------------|---------------------------|---------|--------|---------|-----------------|-----------------|-----------------|------------------------------|---|----------------------------|---|-------|------------------|
| Manganese, in micrograms per liter             | 1997-1999            | 2                 | 0                         | 12.7    | NC     | 54.8    | 03/09/99        | NC              | NC              | 2,618                        | 0   | 4,738                      | 0   | --    | NC               |
| Manganese, unfiltered, in micrograms per liter | 1997                 | 1                 | 0                         | 102     | NC     | 102     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --    | --               |
| Mercury, in micrograms per liter               | 1997                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --    | --               |
| Molybdenum, in micrograms per liter            | 1999                 | 1                 | 0                         | 9.83    | NC     | 9.83    | 03/09/99        | NC              | NC              | --                           | --  | --                         | --  | --    | --               |
| Nickel, in micrograms per liter                | 1997-1999            | 2                 | 0                         | 2.8     | NC     | 21.7    | 03/09/99        | NC              | NC              | 168                          | 0   | 1,513                      | 0   | --    | NC               |
| Nickel, unfiltered, in micrograms per liter    | 1997                 | 1                 | 0                         | 10.5    | NC     | 10.5    | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --    | --               |
| Silver, in micrograms per liter                | 1999                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 03/09/99        | NC              | NC              | 3.5                          | 0   | 22.0                       | 0   | --    | NC               |
| Vanadium, in micrograms per liter              | 1997-1999            | 2                 | 0                         | 2.73    | NC     | 3.82    | 08/12/97        | NC              | NC              | --                           | --  | --                         | --  | --    | --               |
| Zinc, in micrograms per liter                  | 1997-1999            | 2                 | 0                         | 4.0     | NC     | 5.5     | 03/09/99        | NC              | NC              | 428                          | 0   | 564                        | 0   | --    | NC               |
| Zinc, unfiltered, in micrograms per liter      | 1997                 | 1                 | 0                         | 35.0    | NC     | 35.0    | 08/12/97        | NC              | NC              | --                           | --  | .                          | --  | --    | --               |
| Antimony, in micrograms per liter              | 1999                 | 1                 | 1                         | 0 *     | NC     | 0 *     | 03/09/99        | NC              | NC              | --                           | --  | --                         | --  | --    | --               |
| Arsenic, in micrograms per liter               | 1997-1999            | 2                 | 0                         | 1.2     | NC     | 2.7     | 03/09/99        | NC              | NC              | --                           | --  | 340                        | 0   | --    | --               |
| Arsenic (total), in micrograms per liter       | 1997                 | 1                 | 0                         | 2.4     | NC     | 2.4     | 08/12/97        | NC              | NC              | 0.020                        | 1   | .                          | --  | --    | NC               |
| Boron, in micrograms per liter                 | 1999                 | 1                 | 0                         | 616     | NC     | 616     | 03/09/99        | NC              | NC              | 750                          | 0   | .                          | --  | --    | NC               |
| Selenium, in micrograms per liter              | 1995-2017            | 126               | 0                         | 14.0    | 46.0   | 345     | 03/09/10        | 24.0            | 180             | 4.6                          | 126   | 18.4                       | 120   | 0.050 | H                |
| Selenium, in micrograms per liter              | 2018-2019            | 12                | 0                         | 16.7    | 21.3   | 122     | 03/12/19        | 17.6            | 111             | 4.6                          | 12  | 18.4                       | 8   | 0.050 | H                |
| Selenium (total), in micrograms per liter      | 1995-2015            | 33                | 0                         | 21.0    | 37.0   | 200     | 01/18/95        | 27.9            | 189             | --                           | --  | .                          | --  | 0.10  | --               |
| Uranium (natural), in micrograms per liter     | 1999                 | 1                 | 0                         | 57.9    | NC     | 57.9    | 03/09/99        | NC              | NC              | --                           | --  | .                          | --  | --    | --               |
| Suspended sediment, in milligrams per liter    | 2013-2017            | 33                | 0                         | 43      | 358    | 3,470   | 08/09/16        | 89              | 978             | --                           | --  | --                         | --  | 1.0   | --               |
| Suspended sediment, in milligrams per liter    | 2018-2019            | 12                | 0                         | 27      | 299    | 749     | 06/07/18        | 55              | 741             | --                           | --  | --                         | --  | 1.0   | --               |