

Table 16. Summary of measured constituents and properties for Kettle Creek above USAF Academy, Co., station 07103960

[--, 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; **, Geometric mean; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli*, 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 | 2000-2017 | 91 | 0 | 0.040 | 0.75 | 626 | 12/04/15 | 0.25 | 3.1 | -- | -- | . | -- | -- | -- |
| Instantaneous discharge, in cubic feet per second | 2018-2019 | 12 | 0 | 0.14 | 0.83 | 1.7 | 03/05/18 | 0.18 | 1.5 | -- | -- | . | -- | -- | -- |
| Dissolved oxygen, in milligrams per liter | 2003-2017 | 43 | 0 | 6.0 | 7.8 | 12.2 | 05/12/16 | 6.7 | 10.7 | 5.0 | 0 | -- | -- | -- | L |
| Dissolved oxygen, in milligrams per liter | 2018-2019 | 12 | 0 | 6.4 | 9.1 | 10.7 | 01/30/19 | 6.9 | 10.0 | 5.0 | 0 | -- | -- | -- | L |
| pH, in standard units | 2003-2017 | 45 | 0 | 7.5 | 8.0 | 8.3 | 06/28/05 | 7.8 | 8.2 | 6.5-9.0 | 0 | -- | -- | -- | L |
| pH, in standard units | 2018-2019 | 12 | 0 | 7.2 | 7.8 | 8.2 | 09/03/19 | 7.4 | 8.1 | 6.5-9.0 | 0 | -- | -- | -- | L |
| Specific conductance, laboratory, in microsiemens per centimeter | 2003-2013 | 8 | 0 | 238 | 482 | 664 | 10/17/12 | 254 | 653 | -- | -- | . | -- | 1.0 | -- |
| Specific conductance, in microsiemens per centimeter | 2000-2017 | 87 | 0 | 125 | 489 | 684 | 02/25/13 | 350 | 589 | -- | -- | . | -- | -- | -- |
| Specific conductance, in microsiemens per centimeter | 2018-2019 | 12 | 0 | 474 | 528 | 728 | 01/30/19 | 477 | 629 | -- | -- | . | -- | -- | -- |
| Temperature, water, degrees Celsius | 2000-2017 | 88 | 0 | 0.0 | 15.5 | 28.1 | 07/11/01 | 2.3 | 21.0 | -- | -- | -- | -- | -- | -- |
| Temperature, water, degrees Celsius | 2018-2019 | 12 | 0 | 0.0 | 7.5 | 19.6 | 07/11/18 | 0.0 | 17.9 | -- | -- | -- | -- | -- | -- |
| Temperature, water, degrees Celsius March-November | 2000-2017 | 81 | 0 | 0.2 | 16.0 | 28.1 | 07/11/01 | 8.2 | 21.3 | 28.6 | 0 | -- | -- | -- | L |
| Temperature, water, degrees Celsius March-November | 2018-2019 | 10 | 0 | 2.7 | 10.7 | 19.6 | 07/11/18 | 3.5 | 18.4 | 28.6 | 0 | -- | -- | -- | L |
| Temperature, water, degrees Celsius December-February | 2002-2017 | 7 | 0 | 0.0 | 0.4 | 1.5 | 12/03/01 | 0.0 | 1.3 | 14.3 | 0 | -- | -- | -- | L |
| Temperature, water, degrees Celsius December-February | 2018-2019 | 2 | 0 | 0.0 | NC | 0.0 | 01/18/18 | NC | NC | 14.3 | 0 | -- | -- | -- | NC |
| Ammonia nitrogen, in milligrams per liter | 2003-2013 | 25 | 6 | 0 * | 0.015 | 1.17 | 06/17/08 | 0 * | 0.113 | 2.03 | 0 | 5.91 | 0 | 0.010 | L |
| Ammonia, unfiltered, in milligrams per liter | 2016-2017 | 11 | 7 | 0 * | 0 * | 0.259 | 09/11/17 | 0 * | 0.073 | -- | -- | -- | -- | 0.020 | -- |
| Ammonia, unfiltered, in milligrams per liter | 2018-2019 | 12 | 7 | 0 * | 0 * | 2.07 | 01/18/18 | 0 * | 2.03 | -- | -- | -- | -- | 0.020 | -- |
| Nitrite plus nitrate, in milligrams per liter | 2003-2013 | 25 | 1 | 0 * | 0.281 | 0.864 | 07/10/11 | 0.072 | 0.462 | -- | -- | 10.0 | 0 | 0.040 | -- |
| Orthophosphate, in milligrams per liter | 2003-2013 | 25 | 3 | 0 * | 0.016 | 0.213 | 07/10/06 | 0.005 | 0.101 | -- | -- | -- | -- | 0.0040 | -- |
| Phosphorus, unfiltered, in milligrams per liter | 2003-2017 | 44 | 1 | 0 * | 0.051 | 4.76 | 07/20/10 | 0.022 | 0.768 | 0.17 | 12 | -- | -- | 0.0040 | L |
| Phosphorus, unfiltered, in milligrams per liter | 2018-2019 | 12 | 0 | 0.008 | 0.039 | 0.834 | 03/05/18 | 0.025 | 0.422 | 0.17 | 4 | -- | -- | 0.0040 | L |
| Total nitrogen, unfiltered, in milligrams per liter | 2011-2017 | 24 | 0 | 0.282 | 0.878 | 3.37 | 07/10/11 | 0.323 | 1.75 | -- | -- | -- | -- | 0.050 | -- |
| Total nitrogen, unfiltered, in milligrams per liter | 2018-2019 | 12 | 0 | 0.380 | 1.27 | 4.31 | 01/18/18 | 0.382 | 4.02 | -- | -- | -- | -- | 0.050 | -- |
| <i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters | 2008-2013 | 10 | 0 | 32 | 560 | 38,700 | 07/20/10 | -- | 787 ** | 126 | 7 | -- | -- | 1 | H |
| <i>Escherichia coli</i> , in colonies per 100 milliliters | 2003-2008 | 15 | 0 | 27 | 220 | 130,000 | 08/27/03 | -- | 461 ** | 126 | 10 | -- | -- | 1 | H |
| Fecal coliform, M-FC MF, in colonies per 100 milliliters | 2003-2008 | 15 | 0 | 20 | 290 | 140,000 | 08/27/03 | 49 | 8,680 | -- | -- | -- | -- | -- | -- |
| Total coliform, Defined Substrate Technology, in colonies per 100 milliliters | 2008-2013 | 10 | 0 | 610 | 10,450 | 240,000 | 07/20/10 | 1,514 | 188,000 | -- | -- | -- | -- | -- | -- |
| Selenium, in micrograms per liter | 2010-2013 | 7 | 0 | 0.72 | 1.2 | 1.8 | 07/10/11 | 0.74 | 1.8 | 4.6 | 0 | 18.4 | 0 | 0.030 | L |
| Selenium, unfiltered, in micrograms per liter | 2010-2013 | 7 | 0 | 0.90 | 1.1 | 3.5 | 07/20/10 | 0.93 | 3.3 | -- | -- | . | -- | 0.050 | -- |
| Suspended sediment, in milligrams per liter | 2003-2013 | 25 | 1 | 0 * | 89 | 13,800 | 08/27/03 | 15 | 3,977 | -- | -- | -- | -- | 1.0 | -- |