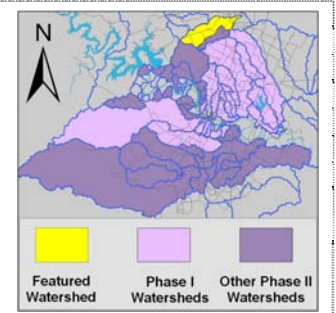


# Lake Creek Watershed

## Watershed Overview

|                    |                                  |                |      |      |      |      |      |
|--------------------|----------------------------------|----------------|------|------|------|------|------|
| Catchment          | Total area                       | 21 sq. miles   |      |      |      |      |      |
|                    | Area in recharge                 | 19.7 sq. miles |      |      |      |      |      |
|                    | Creek length                     | 16 miles       |      |      |      |      |      |
|                    | Receiving water                  | Brushy Creek   |      |      |      |      |      |
| Demographics       | 2000 population                  | 44,727         |      |      |      |      |      |
|                    | 2030 projected population        | 101,823        |      |      |      |      |      |
|                    | 30 year projected % increase     | 128 %          |      |      |      |      |      |
| Land Use           | Impervious cover (2003 estimate) | 16.6 %         |      |      |      |      |      |
|                    | Impervious cover (2013 estimate) | 32.8 %         |      |      |      |      |      |
| Overall EII Scores | 2001                             | 2004           | 2007 | 2010 | 2012 | 2014 | 2016 |
|                    | 71                               | 68             | 66   | 70   | 63   | 74   | 78   |



## Flow Regime\* for Sample Sites on Lake Creek

|      | 2001 |     |     |     |     |     | 2002 | 2004 |     |     |     |     |     | 2007 |     |     |     |     |     | 2010 |     |     |     | 2011 | 2012 |     |     |     |     | 2014 |     |     |     |     | 2016 |     |     |     |   |   |
|------|------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|---|---|
| Site | Mar  | Mar | Apr | Jun | Sep | Dec | Jan  | Mar  | May | May | Jun | Oct | Dec | Feb  | May | Jun | Jul | Sep | Dec | Mar  | May | May | Oct | Dec  | Mar  | Apr | Jul | Sep | Jan | Apr  | Jun | Jul | Sep | Jan | Apr  | May | Jul | Sep |   |   |
|      | WQ   | Bio | Bio | WQ  | WQ  | WQ  | WQ   | WQ   | WQ  | Bio | WQ  | WQ  | WQ  | WQ   | WQ  | WQ  | Bio | Bio | WQ  | WQ   | WQ  | WQ  | Bio | WQ   | WQ   | WQ  | Bio | WQ  | WQ  | WQ   | WQ  | Bio | WQ  | WQ  | WQ   | WQ  | WQ  | WQ  |   |   |
| 1100 | B    | B   |     | B   | B   | B   |      | B    | B   | B   | B   | B   | B   | B    | B   |     | B   | B   | B   | B    | B   | B   | B   | B    | B    | B   | B   | B   | B   | B    | B   | B   | B   | B   | B    | B   | B   | B   | B |   |
| 1120 | B    |     | B   | B   | B   |     | B    | B    | B   | B   | B   | B   | B   |      |     |     |     |     |     |      |     |     |     |      |      |     |     |     |     |      |     |     |     |     |      |     |     |     |   |   |
| 1099 | B    | B   |     | B   | B   | B   |      | B    | B   | B   | B   | B   | B   |      |     |     |     |     |     |      |     |     |     |      |      |     |     |     |     |      |     |     |     |     |      |     |     |     |   |   |
| 3978 |      |     |     |     |     |     |      |      |     |     |     |     |     | B    | B   | B   |     | B   | B   | B    | B   | B   | B   | B    | B    | B   | B   | n   | n   | n    | B   | B   | B   | B   | n    | B   | B   | B   | B | B |
| 1098 | B    | B   |     | B   | B   | B   |      | B    | B   | B   | B   | B   | B   | B    | B   | B   |     | B   | B   | B    | B   | B   | B   | B    | B    | B   | B   | n   | n   | n    | B   | B   | B   | B   | n    | B   | B   | B   | N | B |
| 1119 | B    |     | B   | B   | B   |     | B    | B    | B   | B   | B   | B   | B   |      |     |     |     |     |     |      |     |     |     |      |      |     |     |     |     |      |     |     |     |     |      |     |     |     |   |   |

\* B = baseflow n = no flow S = storm flow blue = Samples were taken light blue = Samples were not taken blank = not visited

## Index scores\* for Lake Creek Sites by Year

| Reach | Site | Site Name                                | Year | Water Quality | Sediment** | Contact Rec. | Non-Contact Rec. | Physical Integrity | Aquatic Life | Benthic subindex | Diatom subindex | Total EII Score |
|-------|------|------------------------------------------|------|---------------|------------|--------------|------------------|--------------------|--------------|------------------|-----------------|-----------------|
| DVS1  | 1119 | Davis Spring Branch Crk @ Robinson Ranch | 1998 | 66            | 74         | 98           | 93               | 82                 | 76           | 65               | 86              | 82              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 1998 | 55            | 74         | 75           | 68               | 71                 | 63           | 79               | 46              | 68              |
| LKC2  | 1099 | Lake Creek @ Deep Wood Drive             | 1998 | 53            | 74         | 84           | 62               | 63                 | 46           | 40               | 51              | 64              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 1998 | 49            | 74         | 90           | 69               | 71                 | 54           | 68               | 39              | 68              |
| LKC3  | 1120 | Lake Creek @ Robinson Ranch              | 1998 | 55            | 74         | 93           | 78               | 83                 | 57           | 59               | 54              | 73              |
| DVS1  | 1119 | Davis Spring Branch Crk @ Robinson Ranch | 2001 | 56            | 84         | 97           | 98               | 95                 | 68           | 73               | 62              | 79              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2001 | 54            | 84         | 89           | 71               | 86                 | 45           | 69               | 20              | 68              |
| LKC2  | 1099 | Lake Creek @ Deep Wood Drive             | 2001 | 48            | 84         | 85           | 73               | 59                 | 32           | 45               | 19              | 61              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2001 | 27            | 84         | 79           | 69               | 54                 | 78           | 100              | 56              | 63              |
| LKC3  | 1120 | Lake Creek @ Robinson Ranch              | 2001 | 47            | 84         | 83           | 81               | 83                 | 67           | 75               | 58              | 70              |
| DVS1  | 1119 | Davis Spring Branch Crk @ Robinson Ranch | 2004 | 51            | 76         | 54           | 90               | 89                 | 79           | 79               | 78              | 73              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2004 | 46            | 76         | 43           | 88               | 86                 | 78           | 93               | 63              | 70              |
| LKC2  | 1099 | Lake Creek @ Deep Wood Drive             | 2004 | 48            | 76         | 53           | 78               | 56                 | 76           | 84               | 67              | 65              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2004 | 44            | 76         | 60           | 73               | 45                 | 85           | 85               |                 | 64              |
| LKC3  | 1120 | Lake Creek @ Robinson Ranch              | 2004 | 52            | 76         | 72           | 84               | 72                 | 55           | 59               | 50              | 69              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2007 | 55            | 81         | 50           | 75               | 70                 | 87           | 93               | 80              | 70              |
| LKC2  | 3978 | Lake Creek @ Shadowbrook Club            | 2007 | 48            | 81         | 48           | 76               | 67                 | 76           | 88               | 63              | 66              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2007 | 46            | 81         | 59           | 55               | 55                 | 74           | 95               | 52              | 62              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2010 | 57            | 69         | 60           | 97               | 86                 | 85           | 93               | 77              | 76              |
| LKC2  | 3978 | Lake Creek @ Shadowbrook Club            | 2010 | 62            | 69         | 59           | 98               | 84                 | 89           | 96               | 82              | 77              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2010 | 47            | 69         | 60           | 64               | 43                 | 65           | 61               | 69              | 58              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2012 | 65            | 84         | 42           | 48               | 74                 | 72           | 74               | 70              | 64              |
| LKC2  | 3978 | Lake Creek @ Shadowbrook Club            | 2012 | 55            | 84         | 31           | 31               | 66                 | 59           | 62               | 56              | 54              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2012 | 47            | 84         | 65           | 89               | 74                 | 65           | 85               | 44              | 71              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2014 | 69            | 75         | 58           | 87               | 87                 | 81           | 95               | 67              | 76              |
| LKC2  | 3978 | Lake Creek @ Shadowbrook Club            | 2014 | 75            | 75         | 73           | 73               | 88                 | 73           | 100              | 45              | 76              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2014 | 49            | 75         | 87           | 70               | 59                 | 73           | 100              | 46              | 69              |
| LKC1  | 1098 | Lake Creek @ Sugar Berry Cove            | 2016 | 60            | 82         | 42           | 88               | 91                 | 86           | 96               | 75              | 75              |
| LKC2  | 3978 | Lake Creek @ Shadowbrook Club            | 2016 | 73            | 82         | 72           | 90               | 91                 | 88           | 96               | 80              | 83              |
| LKC3  | 1100 | Lake Creek DS of Meadowheath Drive       | 2016 | 59            | 82         | 75           | 94               | 71                 | 84           | 84               | 83              | 78              |

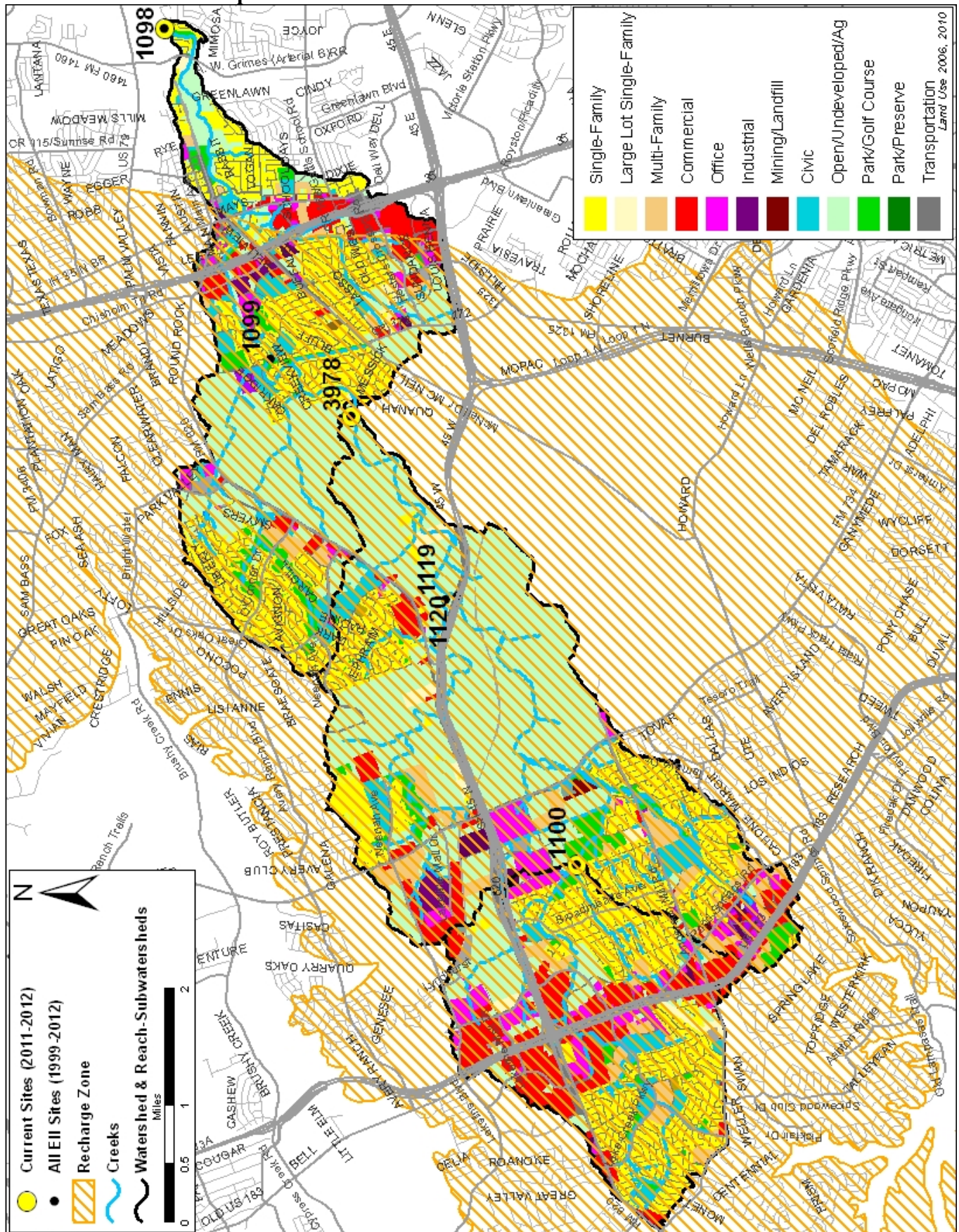
\* blank cells indicate parameter was not collected, blank row indicate site was dropped \*\*sediment samples only collected at the downstream site

100-87.5 Excellent 87.5-75 V. Good 75-62.5 Good 62.5-50 Fair 50-37.5 Marginal 37.5-25 Poor 25-12.5 Bad 12.5-0 V. Bad



# Lake Creek Watershed

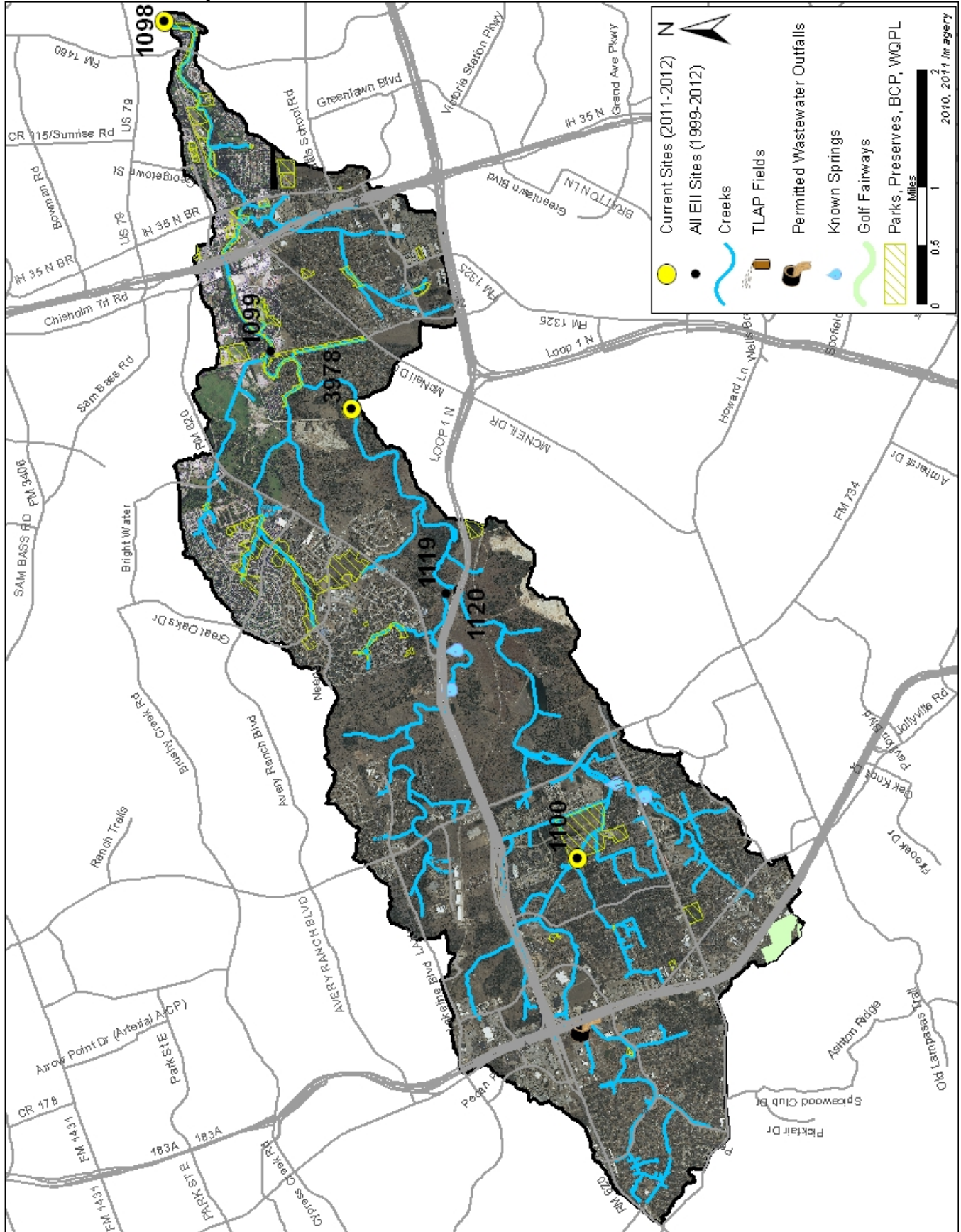
## Land Use Map





# Lake Creek Watershed

## Aerial Map



# Lake Creek Watershed

## Water Quality Data – Temperature, Conductivity, pH, Dissolved Oxygen & *E. coli* for 2016 Sample Sites (Downstream to Upstream)

|                                     |    |                          |                                      |         |                        |
|-------------------------------------|----|--------------------------|--------------------------------------|---------|------------------------|
| Qualifiers to the left of the value | >  | Greater than             | Qualifiers to the right of the value | (blank) | Useable                |
|                                     | <  | Less than                |                                      | S       | Exceeds standard range |
|                                     | <J | Less than detected limit |                                      | R       | Rejected, failed QC    |
|                                     | J  | Estimated                |                                      |         |                        |

| Watershed | Site | EII Reach | Date       | Temp. flag | Cond. flag | pH flag | D.O. flag | E. Coli flag |
|-----------|------|-----------|------------|------------|------------|---------|-----------|--------------|
| Lake      | 1098 | LCK1      | 01/12/2016 | 8.6        | 635        | 7.92    | 10.2      | 72.7         |
| Lake      | 1098 | LCK1      | 04/12/2016 | 21.1       | 620        | 7.76    | 5.4       | 69.7         |
| Lake      | 1098 | LCK1      | 05/09/2016 | 21.8       | 547        | 7.87    | 7.5       |              |
| Lake      | 1098 | LCK1      | 09/13/2016 | 26.4       | 509        | 7.65    | 5.7       | 2419.6       |
| LCK1 Mean |      |           |            | 19.5       | 578        | 7.80    | 7.2       | 854          |
| Lake      | 3978 | LCK2      | 01/12/2016 | 7.7        | 646        | 8.10    | 11.6      | 73.3         |
| Lake      | 3978 | LCK2      | 04/12/2016 | 21.9       | 562        | 8.15    | 7.2       | 26.2         |
| Lake      | 3978 | LCK2      | 05/09/2016 | 23.4       | 521        | 8.23    | 10.6      |              |
| Lake      | 3978 | LCK2      | 07/12/2016 | 26.6       | 467        | 8.02    | 5.8       | 52.0         |
| Lake      | 3978 | LCK2      | 09/13/2016 | 26.4       | 521        | 7.12    | 7.3       | 18.7         |
| LCK2 Mean |      |           |            | 21.2       | 543        | 7.94    | 8.5       | 42.5         |
| Lake      | 1100 | LCK3      | 01/12/2016 | 12.4       | 757        | 8.39    | 17.4      | 18.9         |
| Lake      | 1100 | LCK3      | 04/12/2016 | 20.1       | 764        | 7.94    | 10.4      | 17.3         |
| Lake      | 1100 | LCK3      | 05/09/2016 | 29.5       | 561        | 8.39    | 13.8      |              |
| Lake      | 1100 | LCK3      | 07/12/2016 | 26.1       | 690        | 8.08    | 9.6       | 172.3        |
| Lake      | 1100 | LCK3      | 09/13/2016 | 26.4       | 705        | 7.30    | 9.5       | 39.3         |
| LCK3 Mean |      |           |            | 22.9       | 695        | 8.02    | 12.2      | 62.0         |
| Lake Mean |      |           |            | 21.3       | 608        | 7.93    | 9.4       | 270.9        |

Gray highlighting indicates that the value exceeds one standard deviation from the mean of all E.I.I. sites combined.

| Summary Statistics for all 2015-2016 E.I.I. Sites Combined |                   |                   |                   |                            |                            |
|------------------------------------------------------------|-------------------|-------------------|-------------------|----------------------------|----------------------------|
| Parameter                                                  | 2015-2016 Average | 2015-2016 Minimum | 2015-2016 Maximum | 1 Standard Deviation Above | 1 Standard Deviation Below |
| Temperature (C°)                                           | 20.7              | 5.8               | 34.2              | 27.5                       |                            |
| Conductivity (uS/cm)                                       | 722               | 160               | 3549              | 955                        |                            |
| pH (Standard units)                                        | 7.86              | 5.85              | 10.25             | 8.24                       | 7.47                       |
| D.O. (mg/l)                                                | 7.9               | 0.1               | 18.7              | 10.4                       | 5.5                        |
| <i>E. Coli</i> (col/100ml)                                 | 316.1             | 1.0               | 2420.0            | 883.7                      |                            |

# Lake Creek Watershed

## Water Quality Data – Ammonia, Nitrate / Nitrite, Ortho-Phosphorus, Total Suspended Solids & Turbidity for 2016 Sample Sites (Downstream to Upstream)

|                                     |    |                          |                                      |         |                        |
|-------------------------------------|----|--------------------------|--------------------------------------|---------|------------------------|
| Qualifiers to the left of the value | >  | Greater than             | Qualifiers to the right of the value | (blank) | Useable                |
|                                     | <  | Less than                |                                      | S       | Exceeds standard range |
|                                     | <J | Less than detected limit |                                      | R       | Rejected, failed QC    |
|                                     | J  | Estimated                |                                      |         |                        |

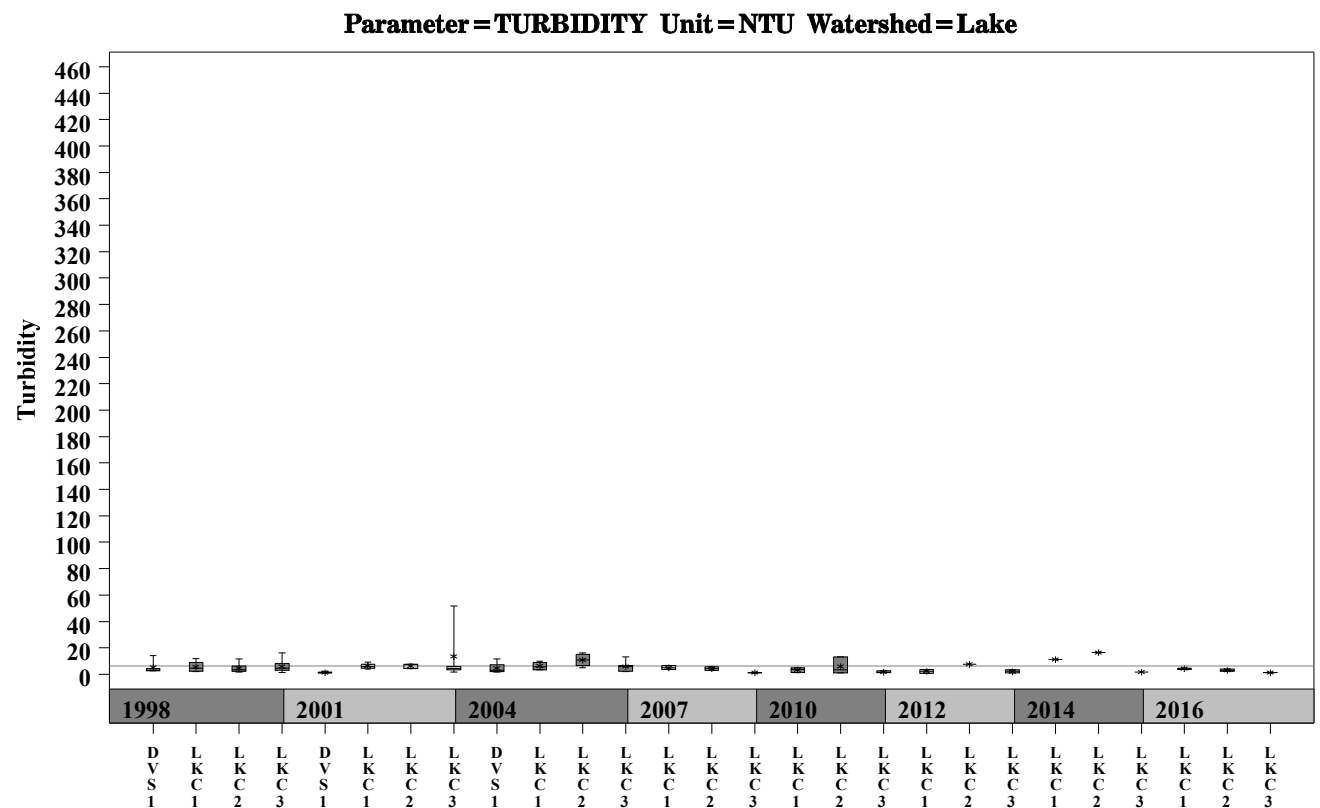
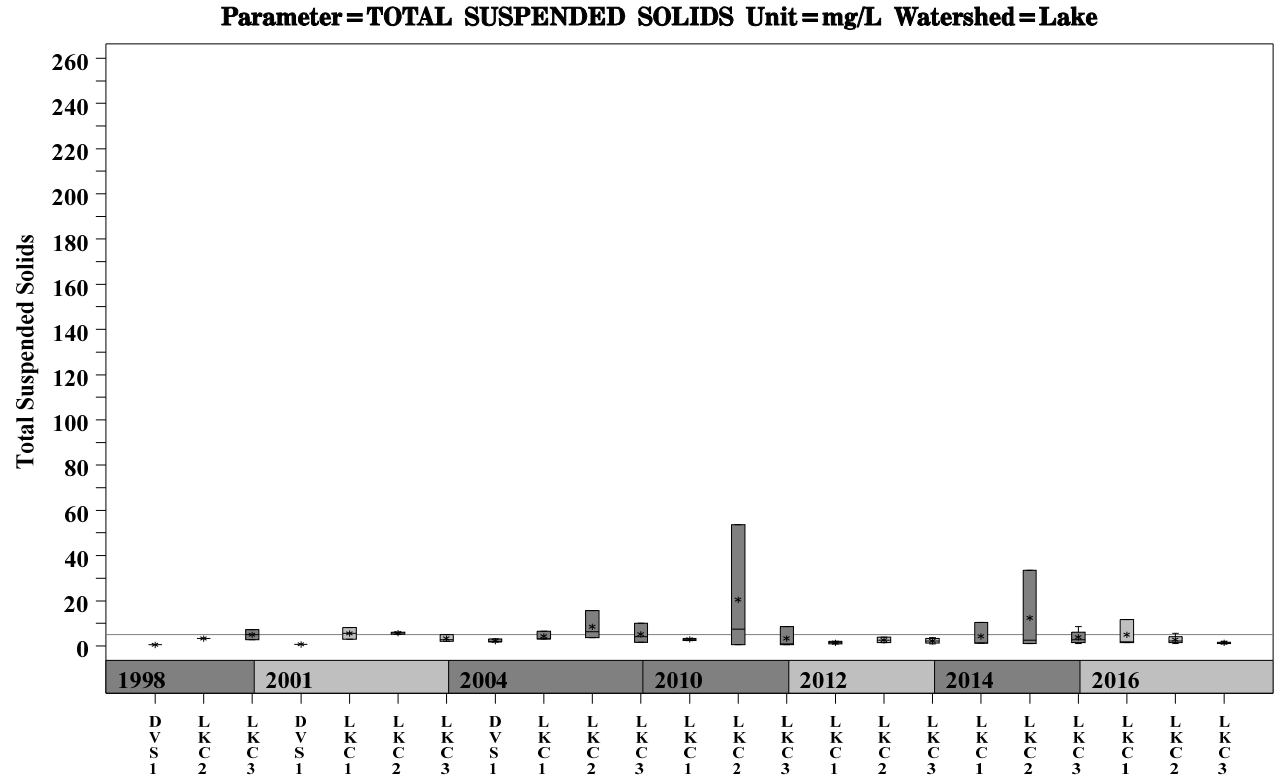
| Watershed | Site | EII Reach | Date       | NH3-N |       | NO3/NO2 |      | Ortho-P |       | T.S.S |      | Turb. |      |
|-----------|------|-----------|------------|-------|-------|---------|------|---------|-------|-------|------|-------|------|
|           |      |           |            | <>    | flag  | <>      | flag | <>      | flag  | <>    | flag | <>    | flag |
| Lake      | 1098 | LCK1      | 01/12/2016 | <J    | 0.008 | 0.58    |      | <J      | 0.004 | 1.4   |      | 1.6   | R    |
| Lake      | 1098 | LCK1      | 04/12/2016 | <J    | 0.008 | 0.11    |      |         | 0.016 | 11.8  |      | 4.7   |      |
| Lake      | 1098 | LCK1      | 05/09/2016 |       |       |         |      |         |       |       |      |       |      |
| Lake      | 1098 | LCK1      | 09/13/2016 |       | 0.022 | 0.11    |      |         | 0.024 | 1.9   |      | 3.6   |      |
| LCK1 Mean |      |           |            |       | 0.013 | 0.27    |      |         | 0.014 | 5.0   |      | 3.3   |      |
| Lake      | 3978 | LCK2      | 01/12/2016 | <J    | 0.008 | 1.02    |      |         | 0.015 | <J    | 1.0  | 2.6   | R    |
| Lake      | 3978 | LCK2      | 04/12/2016 | <J    | 0.008 | 0.16    |      | <J      | 0.004 | 5.5   |      | 4.0   |      |
| Lake      | 3978 | LCK2      | 05/09/2016 |       |       |         |      |         |       |       |      |       |      |
| Lake      | 3978 | LCK2      | 07/12/2016 | <J    | 0.008 | <J      | 0.01 | <J      | 0.004 | 1.8   |      | 3.4   | R    |
| Lake      | 3978 | LCK2      | 09/13/2016 | <J    | 0.008 | 0.05    |      | <J      | 0.004 | 2.6   |      | 2.2   |      |
| LCK2 Mean |      |           |            |       | 0.008 | 0.31    |      |         | 0.007 | 2.7   |      | 3.0   |      |
| Lake      | 1100 | LCK3      | 01/12/2016 | <J    | 0.008 | 2.70    |      |         | 0.199 | 1.3   |      | 0.4   | R    |
| Lake      | 1100 | LCK3      | 04/12/2016 | <J    | 0.008 | 0.37    |      | <J      | 0.004 | 1.1   |      | 1.2   |      |
| Lake      | 1100 | LCK3      | 05/09/2016 |       |       |         |      |         |       |       |      |       |      |
| Lake      | 1100 | LCK3      | 07/12/2016 |       | 0.144 | 0.12    |      | <J      | 0.004 | <J    | 1.0  | 1.0   | R    |
| Lake      | 1100 | LCK3      | 09/13/2016 |       | 0.029 | 0.63    |      |         | 0.012 | 2.1   |      | 1.2   |      |
| LCK3 Mean |      |           |            |       | 0.047 | 0.95    |      |         | 0.055 | 1.4   |      | 1.0   |      |
| Lake Mean |      |           |            |       | 0.024 | 0.53    |      |         | 0.026 | 2.9   |      | 2.4   |      |

Gray highlighting indicates that the value exceeds one standard deviation from the mean of all E.I.I. sites combined.

| Summary Statistics for all 2015-2016 E.I.I. Sites Combined |                   |                   |                   |                            |
|------------------------------------------------------------|-------------------|-------------------|-------------------|----------------------------|
| Parameter                                                  | 2015-2016 Average | 2015-2016 Minimum | 2015-2016 Maximum | 1 Standard Deviation Above |
| NH3-N (mg/l)                                               | 0.018             | 0.008             | 0.881             | 0.085                      |
| NO3-N (mg/l)                                               | 1.14              | 0.01              | 12.0              | 3.16                       |
| Ortho-P (mg/l)                                             | 0.016             | 0.004             | 0.661             | 0.08                       |
| T.S.S. (mg/l)                                              | 3.7               | 1.0               | 58.2              | 9.7                        |
| Turbidity (NTU)                                            | 4.4               | 0.2               | 98.6              | 11.7                       |

# Lake Creek Watershed

Data Summary Graphs – Total Suspended Solids and Turbidity (Downstream to Upstream by Year)



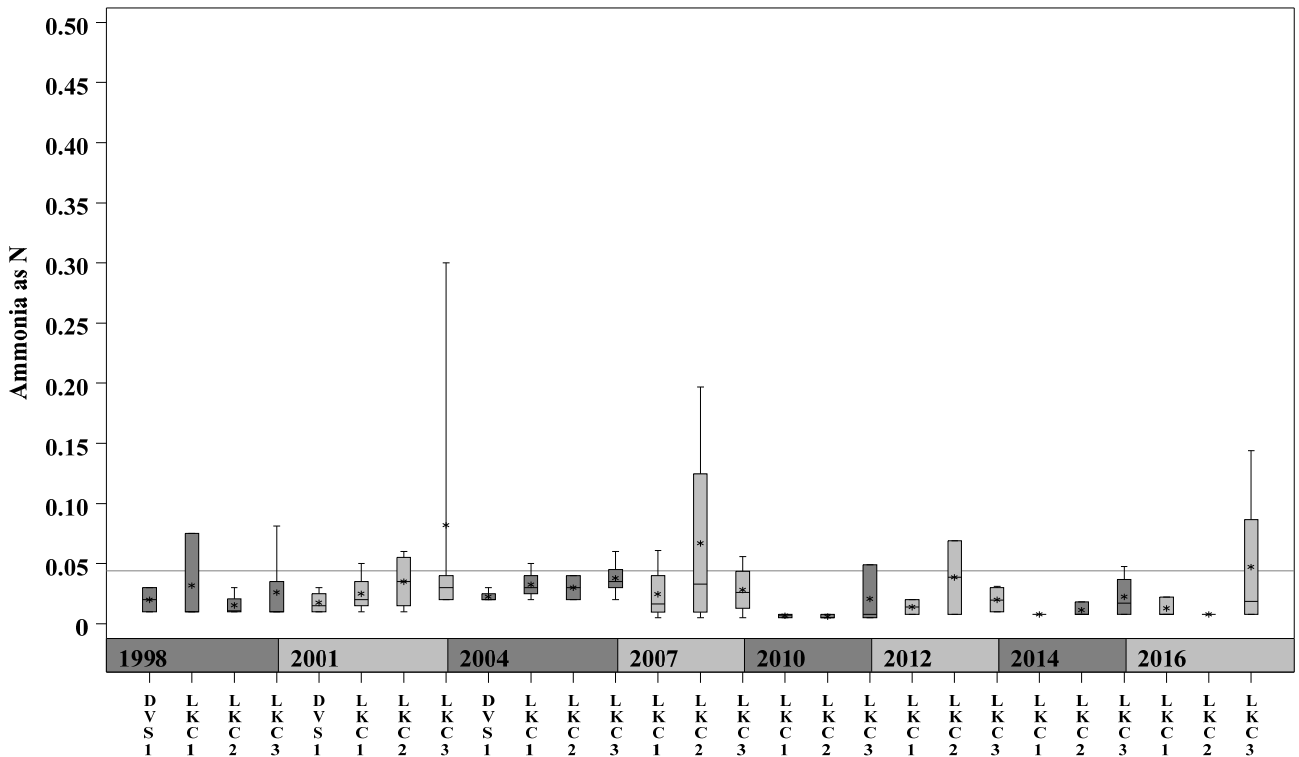
The box plot illustrates the distribution of conductivity for different locations over time. The Y-axis represents Conductivity, ranging from 0 to 2800. The X-axis shows the years 1998, 2001, 2004, 2007, 2010, 2012, 2014, and 2016. For each year, data is provided for locations DVS1, LKC1, LKC2, and LKC3. The median conductivity for most locations is between 500 and 700. There are notable outliers in 2004 and 2014, with values reaching up to 2800.

| Year | Location | Min | Q1  | Median | Q3  | Max | Outliers |
|------|----------|-----|-----|--------|-----|-----|----------|
| 1998 | DVS1     | 650 | 750 | 760    | 780 | 800 |          |
|      | LKC1     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC2     | 450 | 550 | 580    | 650 | 700 |          |
|      | LKC3     | 550 | 650 | 680    | 750 | 800 |          |
| 2001 | DVS1     | 700 | 720 | 730    | 750 | 780 |          |
|      | LKC1     | 550 | 600 | 620    | 650 | 680 |          |
|      | LKC2     | 480 | 550 | 580    | 620 | 650 |          |
|      | LKC3     | 550 | 600 | 620    | 650 | 680 |          |
| 2004 | DVS1     | 700 | 720 | 730    | 750 | 780 |          |
|      | LKC1     | 400 | 450 | 480    | 550 | 600 | 2800     |
|      | LKC2     | 350 | 450 | 480    | 550 | 600 | 2800     |
|      | LKC3     | 500 | 550 | 580    | 650 | 700 |          |
| 2007 | LKC1     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC2     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC3     | 650 | 680 | 700    | 750 | 780 |          |
|      | LKC3     | 650 | 680 | 700    | 750 | 780 |          |
| 2010 | LKC1     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC2     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC3     | 750 | 780 | 800    | 850 | 880 |          |
|      | LKC3     | 750 | 780 | 800    | 850 | 880 |          |
| 2012 | LKC1     | 450 | 480 | 500    | 550 | 580 |          |
|      | LKC2     | 400 | 450 | 480    | 520 | 550 |          |
|      | LKC3     | 600 | 650 | 680    | 750 | 800 |          |
|      | LKC3     | 600 | 650 | 680    | 750 | 800 |          |
| 2014 | LKC1     | 450 | 480 | 500    | 550 | 580 |          |
|      | LKC2     | 400 | 450 | 480    | 520 | 550 |          |
|      | LKC3     | 650 | 700 | 720    | 780 | 800 |          |
|      | LKC3     | 650 | 700 | 720    | 780 | 800 |          |
| 2016 | LKC1     | 550 | 580 | 600    | 650 | 680 |          |
|      | LKC2     | 500 | 550 | 580    | 620 | 650 |          |
|      | LKC3     | 650 | 700 | 720    | 780 | 800 |          |
|      | LKC3     | 650 | 700 | 720    | 780 | 800 |          |

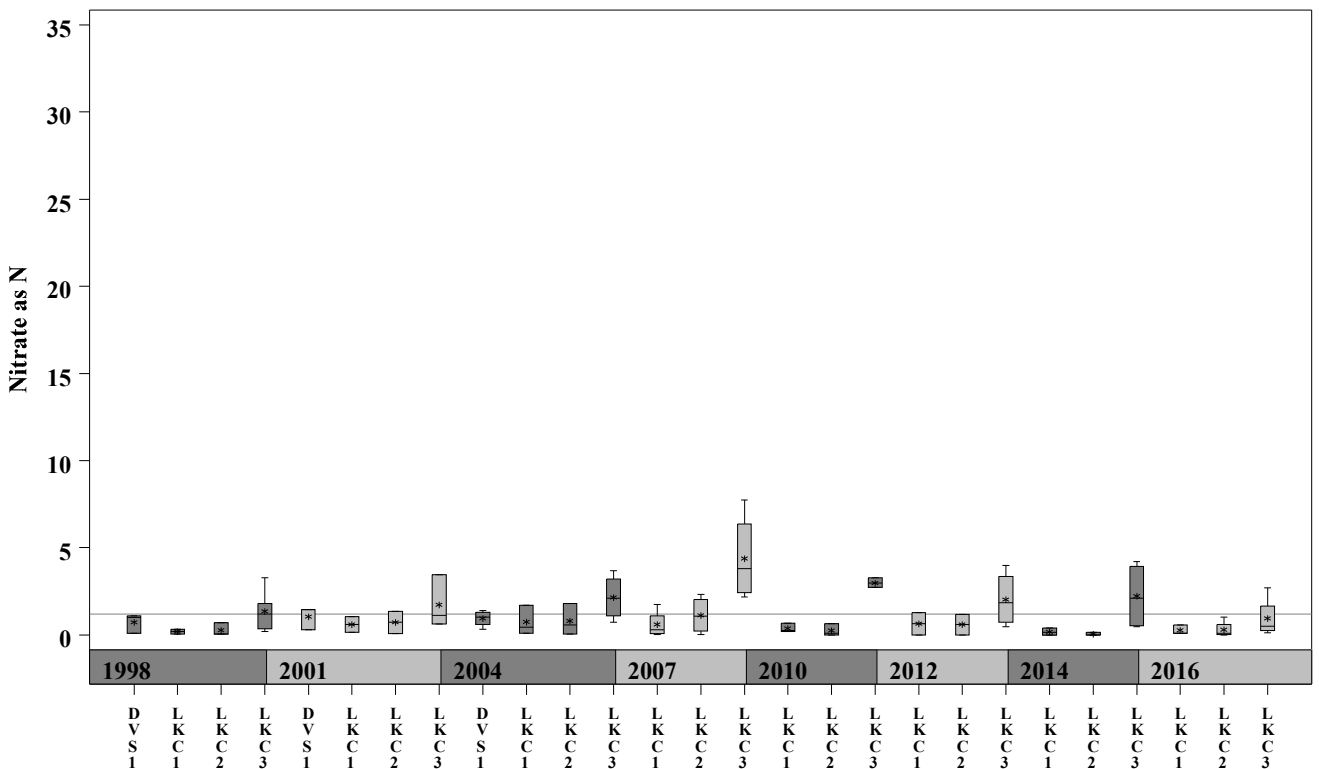
# Lake Creek Watershed

Data Summary Graphs – Ammonia and Nitrate/Nitrite (Downstream to Upstream by Year)

Parameter = AMMONIA AS N Unit = mg/L Watershed = Lake



Parameter = NITRATE AS N Unit = mg/L Watershed = Lake

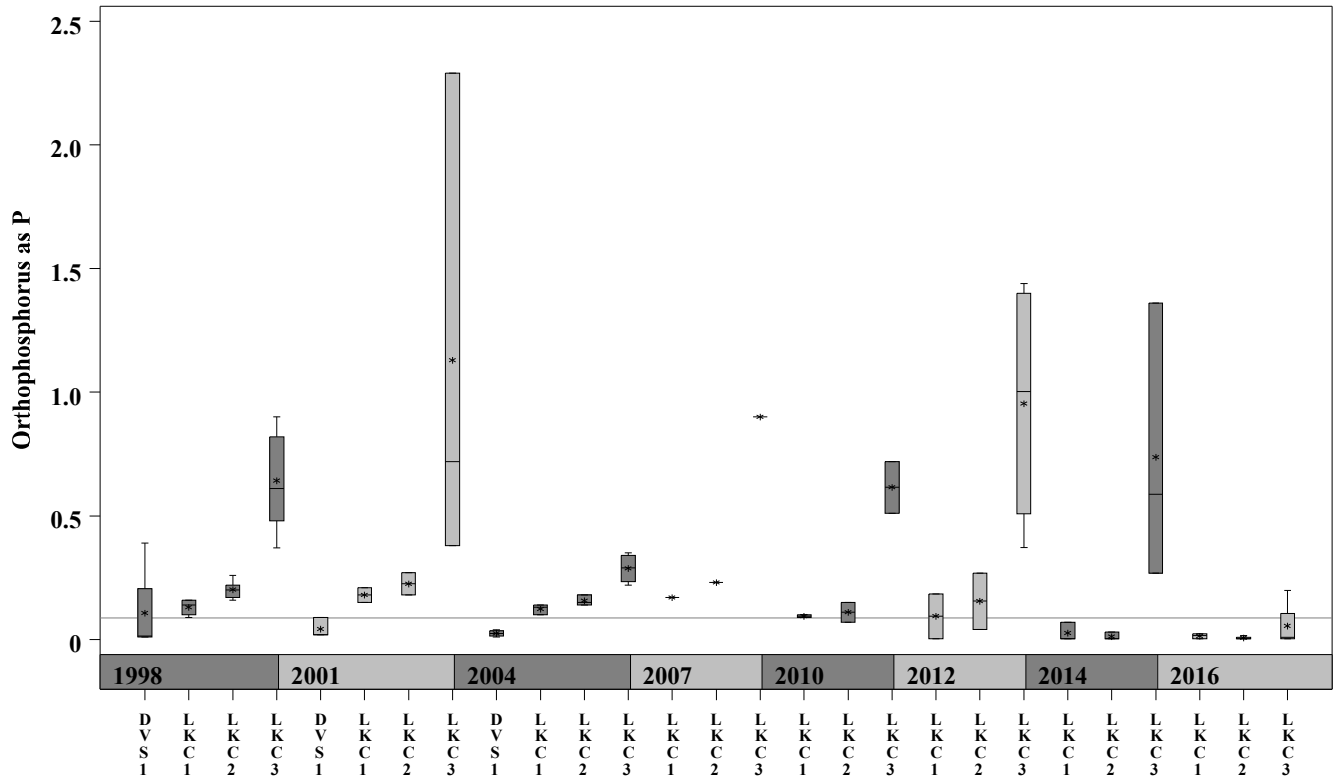




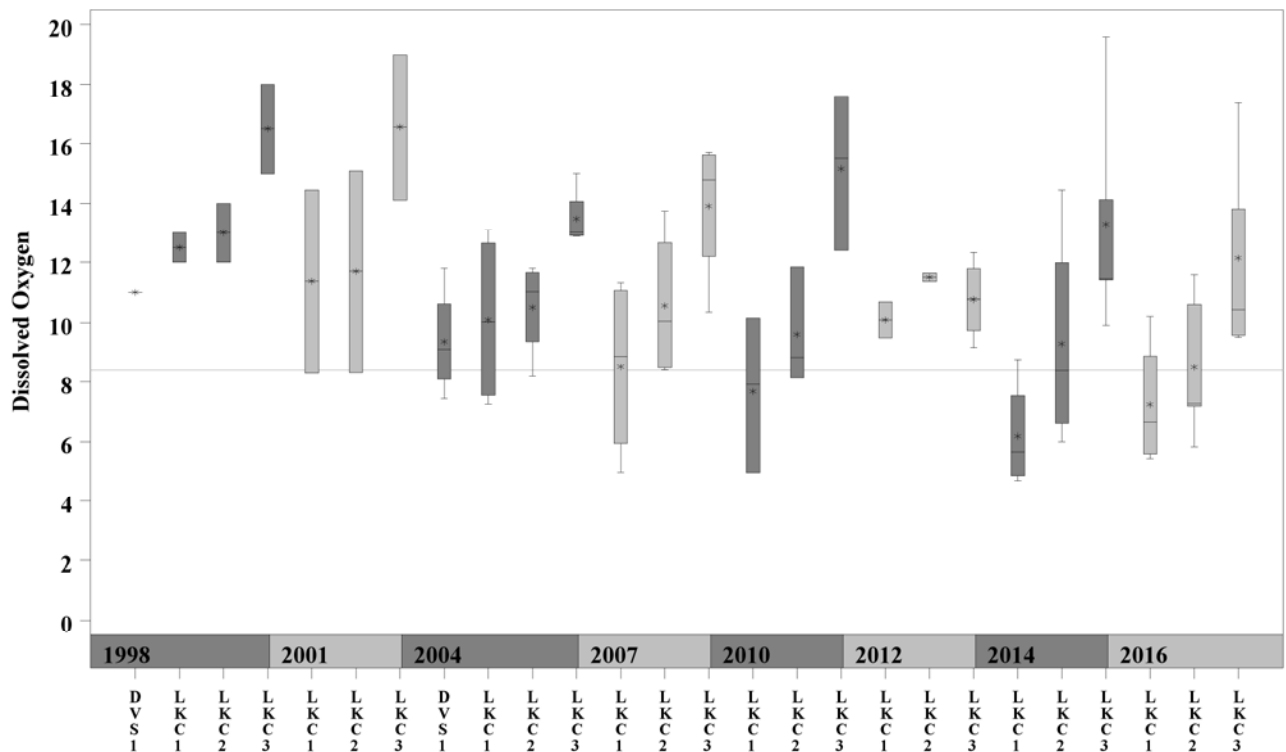
# Lake Creek Watershed

Data Summary Graphs – Orthophosphate and Dissolved Oxygen (Downstream to Upstream by Year)

Parameter = ORTHOPHOSPHORUS AS P Unit = mg/L Watershed = Lake

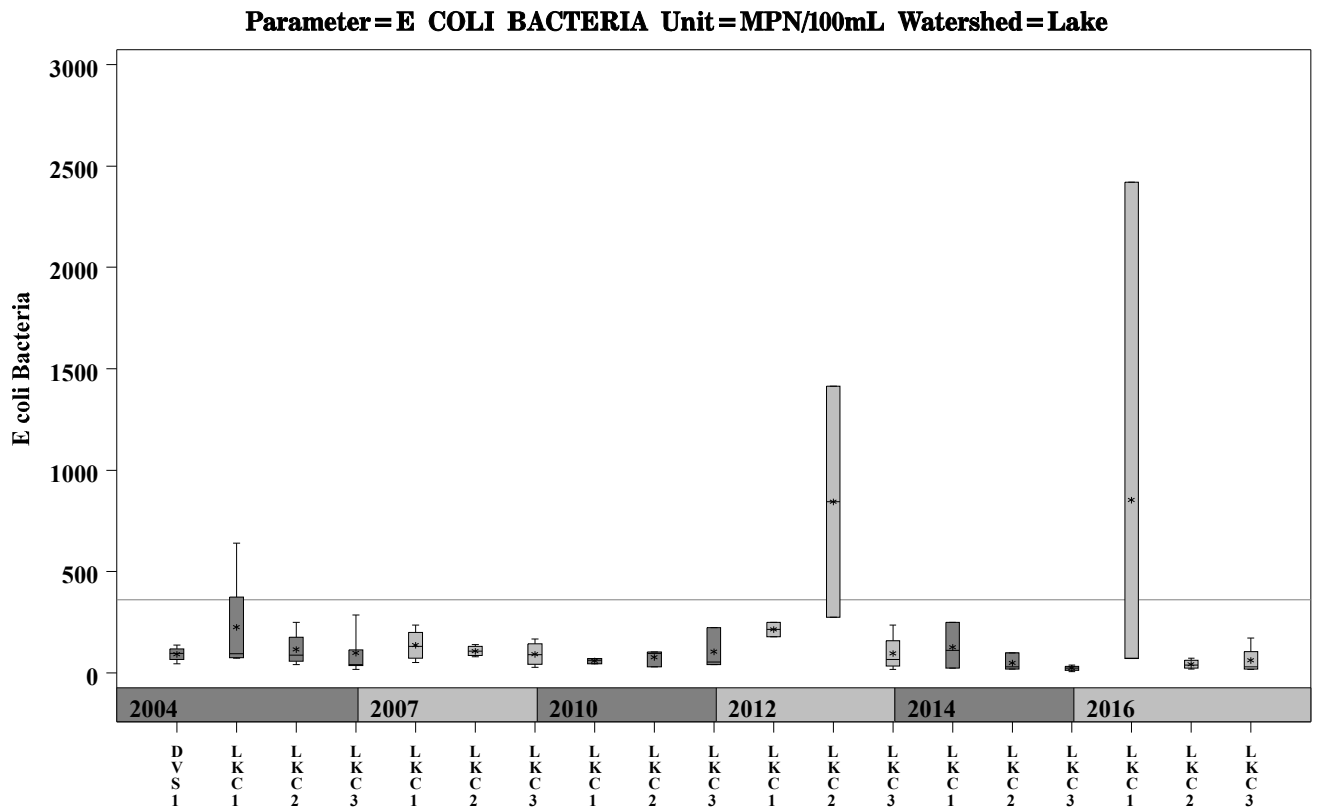


Parameter = DISSOLVED OXYGEN Unit = mg/L Watershed = Lake

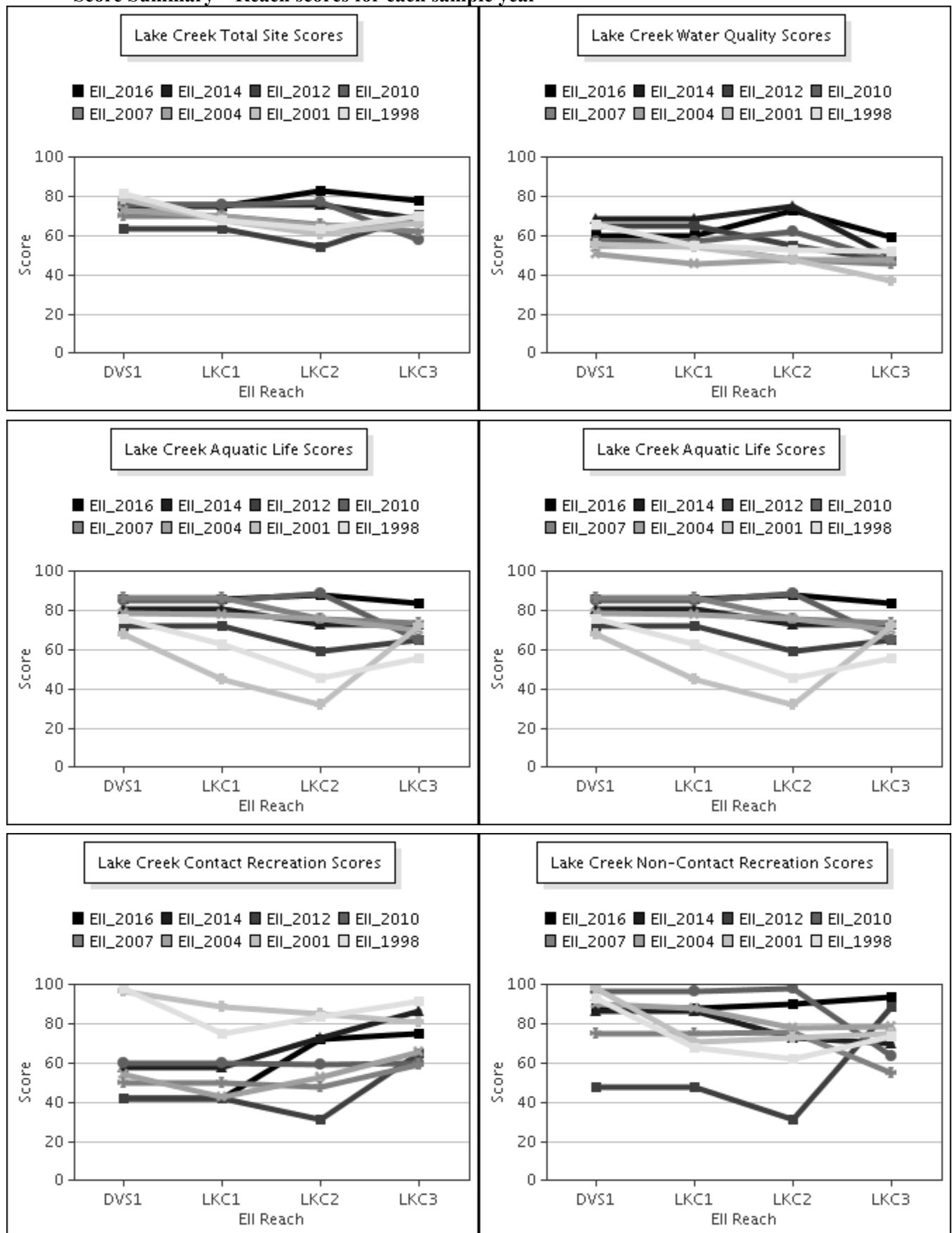


# Lake Creek Watershed

Data Summary Graphs – E.coli (Downstream to Upstream by Year)



### **Score Summary – Reach scores for each sample year**



# Lake Creek Watershed

## Benthic Macroinvertebrates – Taxa List, Pollution Tolerance Index & Functional Feeding Group for 2016 Sample Sites (Downstream to Upstream)

| Benthic Macroinvertebrates - Lake Creek |     |       | LKC ds<br>Meadowheath (1100)<br>05/09/2016 (WRE) | LKC @ Shadowbrook<br>(3978) 05/09/2016<br>(WRE) | LKC @ Sugar Berry<br>(1098) 05/09/2016<br>(WRE) |
|-----------------------------------------|-----|-------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Benthic Macroinvertebrate ID            | PTI | FFG   |                                                  |                                                 |                                                 |
| Chimarra                                | 2   | FC    | 4                                                | 42                                              | 107                                             |
| Helicopsyche                            | 2   | SC    | 24                                               | 2                                               | 3                                               |
| Microcylloepus Pusillus                 | 2   | CG,SC | 16                                               |                                                 |                                                 |
| Baetodes                                | 4   | SC    | 1                                                | 112                                             | 49                                              |
| Camelobaetidius                         | 4   | CG    | 12                                               | 1                                               | 12                                              |
| Fallceon                                | 4   | CG,SC | 138                                              | 54                                              | 26                                              |
| Macrelmis                               | 4   | CG,SC | 24                                               |                                                 |                                                 |
| Neochoroterpes                          | 4   | CG    | 3                                                | 8                                               | 2                                               |
| Ostracoda                               | 4   | CG,FC |                                                  | 6                                               |                                                 |
| Psephenus                               | 4   | SC    | 55                                               |                                                 | 4                                               |
| Simulium                                | 4   | FC    | 105                                              |                                                 | 5                                               |
| Stenacron                               | 4   | CG,SC |                                                  | 1                                               | 1                                               |
| Ambrysus                                | 5   | P     | 17                                               |                                                 |                                                 |
| Hydropsyche                             | 5   | FC    |                                                  | 2                                               | 7                                               |
| Oecetis                                 | 5   | P,SH  | 1                                                |                                                 | 5                                               |
| Petrophila (Moth)                       | 5   | SC    | 11                                               | 2                                               | 1                                               |
| Tricorythodes                           | 5   | CG    | 5                                                |                                                 |                                                 |
| Sphaerium (Clam)                        | 5   | FC    |                                                  | 1                                               | 3                                               |
| Corbicula Fluminea                      | 6   | FC    | 5                                                |                                                 | 4                                               |
| Argia                                   | 6   | P     | 10                                               | 1                                               |                                                 |
| Cheumatopsyche                          | 6   | FC    | 32                                               | 325                                             | 246                                             |
| Chironomidae                            | 6   | FC,P  | 190                                              | 34                                              | 12                                              |
| Corydalis Cornutus                      | 6   | P     |                                                  |                                                 | 1                                               |
| Fossaria                                | 6   | SC    |                                                  | 1                                               |                                                 |
| Hetaerina                               | 6   | P     | 4                                                |                                                 | 2                                               |
| Hydracarina                             | 6   |       | 4                                                | 5                                               |                                                 |
| Tanypodinae                             | 6   | P     | 8                                                | 5                                               | 2                                               |
| Caenis                                  | 7   | CG,SC |                                                  | 1                                               |                                                 |
| Ferrissia                               | 7   | SC    | 1                                                |                                                 |                                                 |
| Helisoma                                | 7   | SC    |                                                  |                                                 | 1                                               |
| Stenelmis                               | 7   | CG,SC | 34                                               | 54                                              | 1                                               |
| Helophorus                              | 7.9 | SH    | 1                                                |                                                 |                                                 |
| Caloparyphus/Euparyphus                 | 8   | CG,SC | 4                                                |                                                 |                                                 |
| Hirudinea                               | 8   | P     | 6                                                | 9                                               | 6                                               |
| Hyaella                                 | 8   | CG,SH | 119                                              | 11                                              | 1                                               |
| Oligochaeta                             | 8   | CG    | 1                                                |                                                 |                                                 |
| Physella                                | 9   | SC    |                                                  | 4                                               | 2                                               |
| Belostoma                               | 10  | P     | 1                                                |                                                 |                                                 |
| Dugesia                                 |     | CG,P  | 100                                              | 2                                               |                                                 |



# Lake Creek Watershed

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## Site Photographs



1100\_00-us-05\_27\_2010



1100\_00-ds-05\_27\_2010



1119\_t00-us-05\_18\_2004



1119\_t00-ds-05\_18\_2004



1120\_t00-us-05\_18\_2004



1120\_t00-ds-05\_18\_2004



# Lake Creek Watershed

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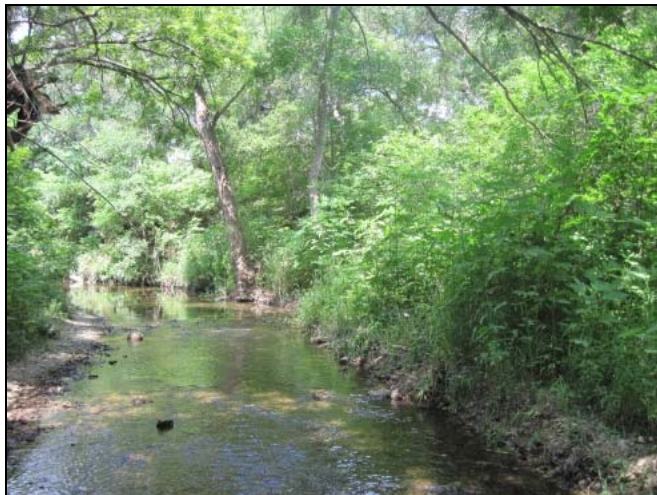
## Site Photographs



3978\_00-us-05\_24\_2010



3978\_00-ds-05\_24\_2010



1098\_00-us-05\_24\_2010



1098\_00-ds-05\_24\_2010



1099\_t00-us-05\_18\_2004



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