

### 2011 Rainfall Totals for Fayette County

|  | January | February | March | April | May  | June | July | August | September | October |
|--|---------|----------|-------|-------|------|------|------|--------|-----------|---------|
| <b>Buckners Creek Near Muldoon</b>         | 3.37    | 0.68     | 0.22  | 0.03  | 0.00 | 2.50 | 0.06 | 0.02   |           |         |
| <b>Carmine 1 SSW</b>                       | 2.74    | 0.37     | 0.41  | 0.00  | 2.18 | 2.40 | 0.03 | 0.34   |           |         |
| <b>Colorado River Above La Grange</b>      | 3.50    | 0.65     | 0.08  | 0.00  | 3.28 | 2.82 | 0.01 | 0.04   |           |         |
| <b>La Grange 5NE</b>                       | 3.11    | 0.53     | 0.14  | 0.00  | 2.44 | 3.39 | 0.15 | 0.07   |           |         |
| <b>Lake Fayette at Fayette Power Plant</b> | 4.34    | 0.25     | 0.06  | 0.01  | 2.98 | 3.28 | 0.00 | 0.28   |           |         |
| <b>Muldoon 6 WSW</b>                       | 4.04    | 0.81     | 1.92  | 0.00  | 1.24 | 2.53 | 0.14 | 0.01   |           |         |
| <b>Average for the County</b>              | 3.52    | 0.55     | 0.47  | 0.01  | 2.02 | 2.82 | 0.07 | 0.13   | #DIV/0!   | #DIV/0! |

Data for this sheet is from the LCRA rainwater monitoring sites in Fayette County, Texas.

### Estimated Recharge Volumes\*

*\*All estimates calculated to acre feet*

|  | January | February | March  | April | May     | June    | July  | August | September | October |
|--|---------|----------|--------|-------|---------|---------|-------|--------|-----------|---------|
| <b>1% of total rainfall available for recharge</b> | 1800.53 | 280.75   | 241.49 | 3.41  | 1034.24 | 1443.84 | 33.28 | 64.85  | #DIV/0!   | #DIV/0! |

Fayette County covers approximately 960 square miles, or 614,400 acres.

#### Potential Recharge per Aquifer based on 1% Average Precipitation

|  |         |        |        |      |        |         |       |       |         |         |
|--|---------|--------|--------|------|--------|---------|-------|-------|---------|---------|
| Sparta Aquifer (1920 acre outcrop)           | 5.63    | 0.88   | 0.75   | 0.01 | 3.23   | 4.51    | 0.10  | 0.20  | #DIV/0! | #DIV/0! |
| Yegua-Jackson Aquifer (214,400 acre outcrop) | 628.31  | 97.97  | 84.27  | 1.19 | 360.91 | 503.84  | 11.61 | 22.63 | #DIV/0! | #DIV/0! |
| Jasper Aquifer (160,000 acre outcrop)        | 468.89  | 73.11  | 62.89  | 0.89 | 269.33 | 376.00  | 8.67  | 16.89 | #DIV/0! | #DIV/0! |
| Evangeline Aquifer (118,400 acre outcrop)    | 346.98  | 54.10  | 46.54  | 0.66 | 199.31 | 278.24  | 6.41  | 12.50 | #DIV/0! | #DIV/0! |
| Alluvium (96,000 acre outcrop)               | 281.33  | 43.87  | 37.73  | 0.53 | 161.60 | 225.60  | 5.20  | 10.13 | #DIV/0! | #DIV/0! |
| <b>TOTAL</b>                                 | 1731.14 | 269.93 | 232.19 | 3.28 | 994.38 | 1388.19 | 32.00 | 62.35 | #DIV/0! | #DIV/0! |

#### Potential Recharge Lost

|  |              |              |             |             |              |              |             |             |                |                |
|--|--------------|--------------|-------------|-------------|--------------|--------------|-------------|-------------|----------------|----------------|
|  | <b>69.40</b> | <b>10.82</b> | <b>9.31</b> | <b>0.13</b> | <b>39.86</b> | <b>55.65</b> | <b>1.28</b> | <b>2.50</b> | <b>#DIV/0!</b> | <b>#DIV/0!</b> |
|--|--------------|--------------|-------------|-------------|--------------|--------------|-------------|-------------|----------------|----------------|

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