## **Guadalupe River Swimability Study Results for Summer 2015**

The table displays E. *coli* levels at various locations on the Guadalupe River. E. *coli* levels are recorded as number of colonies of bacteria per 100 milliliters of water. The Texas Commission on Environmental Quality has set the single sample criteria for E. *coli* at 399 colonies of bacteria per 100 milliliters of water for primary contact recreation (swimmer fully submersed in water). Levels that exceed this standard are displayed in red. If levels exceed this standard, the risk of contracting waterborne illnesses increases (30 TAC §307.7). The EPA document "2012 Recreational Water Quality Criteria" also offers additional information.

| Location                            | 7/27/15 | 8/3/15 | 8/10/15 | 08/17/15 | 08/25/15 | 08/31/15 |
|-------------------------------------|---------|--------|---------|----------|----------|----------|
| N. Fork, Rock Bottom Road Crossing  | 18      | 24     | 13      | 51       | 4        | 18       |
| N. Fork Crossing near Camp Waldemar | 50      | 27     | 23      | 119      | 29       | 30       |
| N. Fork River Rd. Crossing          | 40      | 20     | 64      | 34       | 50       | 59       |
| S. Fork Lynxhaven Crossing          | 6       | 3      | 10      | 17       | 10       | 5        |
| S. Fork Mystic Crossing             | 20      | 17     | 20      | 28       | 115      | 60       |
| S. Fork Seago Road Crossing         | 17      | 18     | 7       | 14       | 14       | 30       |
| S. Fork Camp Flaming Arrow Crossing | 27      | 7      | 15      | 19       | 15       | 11       |
| Hunt Crossing                       | 23      | 6      | 7       | 8        | 6        | 14       |
| Schumacher Crossing                 | 16      | 26     | 20      | 40       | 43       | 119      |
| Kelly Creek Rd. Crossing            | 9       | 42     | 68      | 6        | 11       | 12       |
| Ingram Dam                          | 11      | 2      | 3       | 2        | 1        | 6        |
| Johnson Creek at Hwy. 39            | 112     | 193    | 166     | 133      | 105      | 108      |
| Bear Creek Crossing                 | 50      | 33     | 51      | 152      | 86       | 185      |
| Nimitz Dam                          | 15      | 4      | 5       | 40       | 5        | 4        |
| Louise Hays Park Footbridge         | 250     | 1046   | 88      | 222      | 96       | 308      |
| Louise Hays Park Hwy. 16 Bridge     | 93      | 124    | 54      | 308      | 65       | 84       |
| Louise Hays Park Dam                | 66      | 102    | 42      | 250      | 48       | 93       |
| Kerrville Schreiner Park            | 120     | 365    | 365     | 361      | 96       | 130      |
| Center Point River Road Crossing    | 34      | 32     | 13      | 34       | 34       | 27       |
| Center Point Dam                    | 111     | 64     | 105     | 52       | 225      | 99       |
| Hermann Sons Road Crossing          | 34      | 50     | 70      | 76       | 40       | 56       |

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| Location                            | 5/26/15 <sup>A</sup> | 6/1/15 | 6/8/15 | 6/15/15            | 6/22/15 <sup>A</sup> | 6/29/15 | 7/6/15 | 7/13/15 | 07/20/15 |
|-------------------------------------|----------------------|--------|--------|--------------------|----------------------|---------|--------|---------|----------|
| N. Fork, Rock Bottom Road Crossing  | 403                  | 44     | 24     | 13                 | 10                   | 378     | 15     | 33      | 40       |
| N. Fork Crossing near Camp Waldemar | 413                  | 70     | 225    | 81                 | 271                  | 155     | 66     | 31      | 210      |
| N. Fork River Rd. Crossing          | 731                  | 167    | 72     | 77                 | 119                  | 228     | 33     | 54      | 31       |
| S. Fork Lynxhaven Crossing          | 420                  | 111    | 16     | 11                 | 1095                 | 32      | 17     | 12      | 6        |
| S. Fork Mystic Crossing             | 227                  | 20     | 26     | 18                 | 28                   | 68      | 17     | 13      | 6        |
| S. Fork Seago Road Crossing         | 381                  | 48     | 53     | 19                 | 82                   | 21      | 23     | 9       | 6        |
| S. Fork Camp Flaming Arrow Crossing | 413                  | 71     | 17     | 31                 | 101                  | 84      | 18     | 31      | 24       |
| Hunt Crossing                       | В                    | В      | 13     | 26                 | 65                   | В       | 4      | 11      | 21       |
| Schumacher Crossing                 | 263                  | 127    | 47     | 29                 | 46                   | 326     | 48     | 42      | 365      |
| Kelly Creek Rd. Crossing            | 323                  | 142    | 40     | 19                 | 46                   | 365     | 35     | 14      | 14       |
| Ingram Dam                          | 615                  | 192    | 10     | 11                 | 121                  | 50      | 4      | 1       | <1       |
| Johnson Creek at Hwy. 39            | 449                  | 111    | 81     | 82                 | 96                   | 165     | 140    | 93      | 152      |
| Bear Creek Crossing                 | 821                  | 66     | 18     | 22                 | 279                  | 84      | 31     | 22      | 30       |
| Nimitz Dam                          | 615                  | 68     | 9      | 11                 | 356                  | 20      | 2      | 1       | 5        |
| Louise Hays Park Footbridge         | 387                  | 46     | 193    | 74                 | 384                  | 186     | 93     | 104     | 54       |
| Louise Hays Park Hwy. 16 Bridge     | 358                  | 120    | 166    | 326                | 237                  | 236     | 42     | 54      | 70       |
| Louise Hays Park Dam                | 437                  | 102    | 63     | 115                | 177                  | 50      | 42     | 35      | 93       |
| Kerrville Schreiner Park            | 1095                 | 308    | 98     | >2420 <sup>C</sup> | 977                  | 205     | 108    | 150     | 387      |
| Center Point River Road Crossing    | 615                  | 86     | 28     | 11                 | 111                  | 46      | 22     | 40      | 47       |
| Center Point Dam                    | 775                  | 326    | 1553   | 172                | 248                  | 210     | 84     | 42      | 75       |
| Hermann Sons Road Crossing          | 1373                 | 96     | 47     | 517 <sup>C</sup>   | 236                  | 308     | 82     | 46      | 26       |

<sup>&</sup>lt;sup>A</sup> Samples collected after rainfall. Bacteria levels can temporarily elevate when runoff from streets and hillsides carries contaminants into the river. Please use caution when entering the river after significant rainfall. Repeat samples will be collected the following week.

<sup>&</sup>lt;sup>B</sup> Sample site inaccessible due to construction.

<sup>&</sup>lt;sup>c</sup> Samples collected during heavy rainfall and influenced by runoff. Resampling will occur on the following Monday.