



LAWRENCE COUNTY HEALTH DEPARTMENT

STREAM/SWIM ADVISORY – LAWRENCE COUNTY

The Lawrence County Health Department has received a subgrant through the Environmental Resources Coalition for the Springfield-Branson Regional Onsite Wastewater Project. To fulfill the requirements within the subgrant, the Lawrence County Health Department is monitoring several locations of Spring River and creeks and tributaries that run into Spring River within the county. Results indicate some areas have higher E. Coli counts than EPA recommended limits.

E. Coli is a fecal coliform bacteria that lives in all human and animal intestines.

At present there is no federal or state standards for E. Coli densities in recreational waters. EPA's proposed standards for bacteria densities should not exceed 235 E. Coli per 100 milliliters of fresh water for full body contact.

The sources of water contamination are difficult to track to the point of source.

THE HEALTH DEPARTMENT RECOMMENDS NO SWIMMING IN STREAM AREAS THAT EXCEED EPA GUIDELINES.

Samples taken at the locations listed showed the following counts on the date listed:

| <u>Stream</u> | <u>Location</u> | <u>Date</u> | <u>E. Coli Counts per 100 ml</u> |
|-----------------|----------------------------------|-------------|----------------------------------|
| 1) Spring River | Youngberg Park in Verona | 07/02/11 | 209.8* |
| 2) Spring River | FR 2210 north of Verona | 07/02/11 | 38.8** |
| 3) Spring River | FR 2193 north of Verona | 07/02/11 | 272.3* |
| 4) Spring River | Verona Beach | 07/02/11 | 148.3** |
| 5) Spring River | FR 2175 north of Verona | 07/02/11 | 141.4** |
| 6) Honey Creek | FR 1137/1135 South of Mt. Vernon | 07/02/11 | 13.7** |

105 W. North St. ~ Mt. Vernon, Missouri 65712

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| <u>Stream</u> | <u>Location</u> | <u>Date</u> | <u>E. Coli Counts per 100 ml</u> |
|----------------------|--|-------------|--------------------------------------|
| 7) Spring River | FR 2137 Hoberg | 07/02/11 | 152.9** |
| 8) Spring River | FR 2130 west of Mt. Vernon | 07/02/11 | 298.7** |
| 9) Big Spring | Baptist Hill Church Camp | 07/02/11 | 50.2* |
| 10) Spring River | FR 2110 west of Baptist Hill | 07/02/11 | 120.1* |
| 11) Spring River | FR 1082 near Talbot | 07/02/11 | 95.9* |
| 12) Spring River | Hwy 97 bridge | 07/02/11 | 57.1* |
| 13) Marti/Dry Hollow | FR 2100 north of Stotts City | 07/02/11 | 155.3** |
| 14) Spring River | Hwy U, LaRussell Access (Jasper County) | 07/02/11 | 60.5* |

Counts that are highlighted red indicate that they exceed 235 E. Coli per 100 ml.

* = Increase since last report date, June 17, 2011

** = Decrease since last report date, June 17, 2011

*** = Didn't change since last report date, June 17, 2011

Weather Conditions: sunny, 93°

Stream Conditions (level): low

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