



Total Maximum Daily Load Information Sheet

Line Creek

Water Body ID: 3575

Water Body Segment at a Glance:

County: Platte
Nearby City: Kansas City
Segment Length: 7 miles
Pollutant: *E. coli* bacteria
Source: Urban runoff/Storm sewers



Statewide Map Showing Location of Watershed

Scheduled for TMDL development:

TMDL development schedules are subject to change.

The most current schedule for TMDL development is available on the department's website at dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm

Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. Line Creek is impaired due to exceedances of water quality criteria that protect recreational uses.

Designated uses of Line Creek*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-B)
- Secondary Contact Recreation (SCR)
- Human Health Protection (HHP)
- Irrigation (IRR)
- Livestock and Wildlife Protection (LWP)

*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

Use that is impaired

Whole Body Contact Recreation Category B (WBC-B)

Criteria that apply

- Missouri's Water Quality Standards at 10 CSR 20-7.031(5)(C) and Table A state that for waters designated for whole body contact recreation category B, the *E. coli* count, measured as a geometric mean, shall not exceed 206 counts per 100 milliliters of water during the recreational season. The recreational season is defined as being from April 1 to October 31.

Assessment and water quality data

The department judges a stream to be impaired by bacteria if the water quality criterion for *E. coli* is exceeded in any of the last three years for which there is a minimum of five samples taken during the recreational season. High counts of *E. coli* are an indication of fecal contamination. *E. coli* are bacteria found in the intestines of warm-blooded animals and are used as indicators of the risk of waterborne disease from pathogenic bacteria or viruses. Bacteria data for Line Creek is available from 2010. The recreational season geometric mean exceeded the criterion during this period.

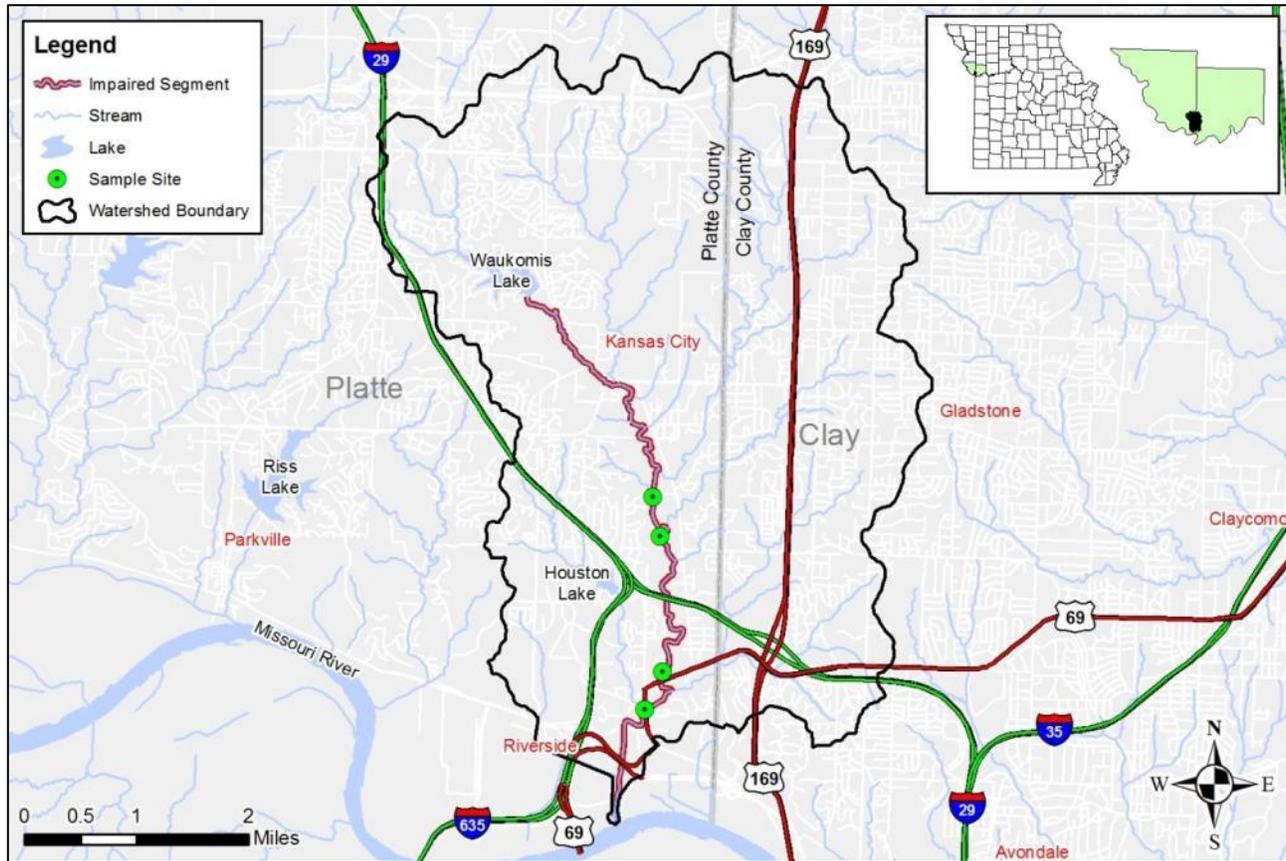
Bacteria Data for Line Creek

<i>Sample Site</i>	<i>Year</i>	<i>Month</i>	<i>Day</i>	<i>E. coli</i> <i>(count/100mL)</i>
Line Cr. At Riverside, Mo	2010	5	18	250
Line Cr. At Riverside, Mo	2010	5	26	137
Line Cr. At Riverside, Mo	2010	6	2	>2420
Line Cr. At Riverside, Mo	2010	6	3	1414
Line Cr. At Riverside, Mo	2010	6	9	4106
Line Cr. At Riverside, Mo	2010	6	17	4611
Line Cr. At Riverside, Mo	2010	6	22	>2420
Line Cr. At Riverside, Mo	2010	6	24	963
Line Cr. At Riverside, Mo	2010	7	6	5370
Line Cr. 190 yds US of Hwy 69	2010	7	13	482
Line Cr. Nr Line Cr Park off Waukomis Dr.	2010	7	13	455
Line Cr. 1.2 mi US of I-29	2010	7	13	433
Line Cr. At Riverside, Mo	2010	8	3	43
Line Cr. At Riverside, Mo	2010	8	17	345
Line Cr. At Riverside, Mo	2010	8	24	365
Line Cr. At Riverside, Mo	2010	9	8	242
Line Cr. At Riverside, Mo	2010	9	14	5172
Geometric Mean :				747

TMDL for Line Creek

The Line Creek TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Line Creek TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

Map of the Line Creek Watershed



For more information call or write:

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