



Total Maximum Daily Load Information Sheet

Troublesome Creek

Water Body ID: 0074

Water Body Segment at a Glance:

Counties: Knox, Lewis and Marion
Nearby City: Ewing
Length: 41.3 miles
Pollutant: Low dissolved oxygen.
Source: Unknown



Schedule 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. Troublesome Creek is impaired due to exceedances of state water quality criteria that protect aquatic life.

Designated uses of Troublesome 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).

Designated use that is impaired

- Warm Water Habitat (WWH)

Criteria that apply

- In the Missouri Water Quality Standards at 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen for waters designated as warm water habitat is a minimum 5 mg/L.

Assessment and water quality data

Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. The department judges a stream to be impaired due to low dissolved oxygen if more than 10 percent of measurements in a water body fail to meet the water quality criterion. In the case of Troublesome Creek, 445 of 1,211 measurements, or 37 percent, did not meet the water quality criterion.

<i>Sampling Organization</i>	<i>Sampling Location</i>	<i>From</i>	<i>To</i>	<i>No. of Samples</i>	<i>No. < 5 mg/L</i>	<i>Percent <5 mg/L</i>
DNR	Troublesome Cr. at Highway E	8/11/2009	8/25/2009	1209	445	36.8
DNR	Troublesome Cr. at Highway E	10/1/2009	4/6/2010	2	0	0
Total:				1211	445	36.7

TMDL for Troublesome Creek

The Troublesome 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 Troublesome 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.

For more information call or write:

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Map of the Troublesome Creek watershed

