



Total Maximum Daily Load Information Sheet

Willow Fork and Tributary to Willow Fork

Water Body ID: 0955 and 0956

Water Body Segment at a Glance:

County:	Moniteau
Nearby City:	Tipton
Length:	
Willow Fk (0955):	6.8 miles
Trib. to Willow Fk (0956):	0.5 miles
Pollutant:	Low dissolved oxygen
Sources:	Tipton wastewater treatment plant and other unknown sources



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. Willow Fork and its tributary are impaired due to exceedances of state water quality criteria that protect aquatic life.

Designated uses of Willow Fork and Tributary to Willow Fork*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-B) ← Will Fork only
- 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

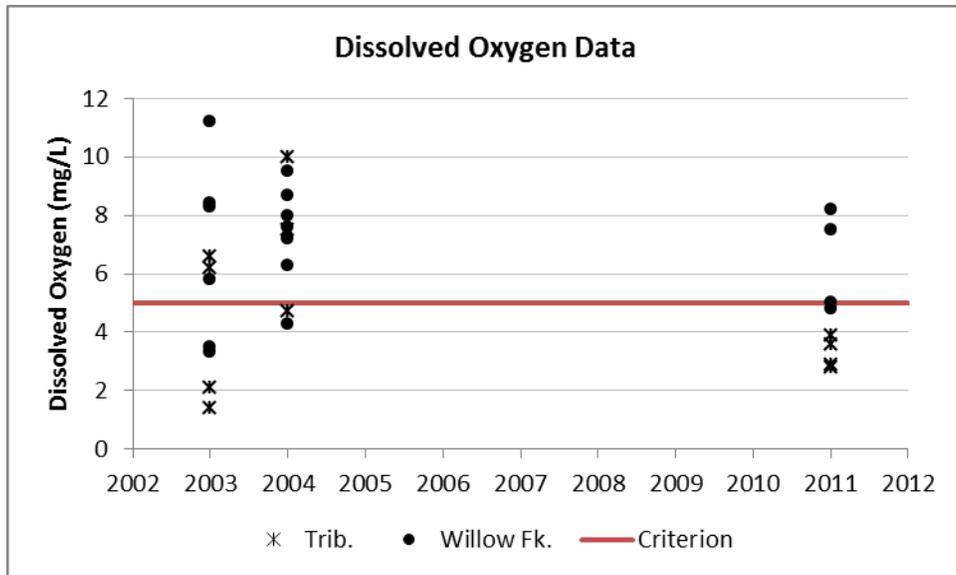
- Warm Water Habitat (WWH)

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

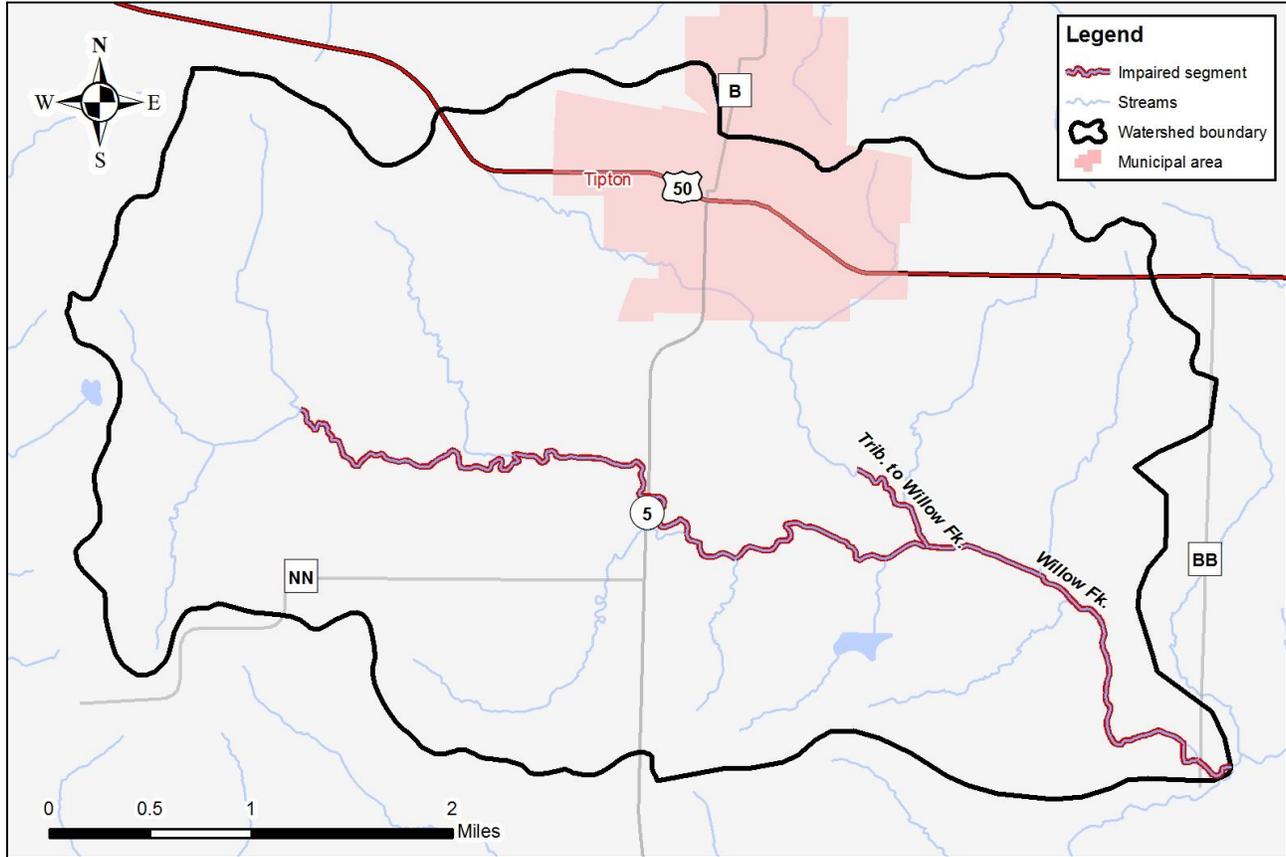
Willow Fork is a rural stream that lies south of Tipton in Moniteau County. Its unnamed tributary is the receiving stream for effluent from the Tipton Wastewater Treatment Facility. Both water bodies are impaired by low dissolved oxygen. Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. The department judges a stream to be impaired due to low dissolved oxygen if more that 10 percent of measurements in a water body fail to meet the water quality criterion. Three of five measurements on Willow Fork upstream of the tributary from the Tipton wastewater treatment facility failed to meet the criterion. Seven of eleven measurements on the Tributary to Willow Fork downstream of the treatment facility also failed to meet the criterion.



TMDL for Willow Fork and Tributary to Willow Fork

The Willow Fork and Tributary to Willow Fork TMDLs 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 Willow Fork and Tributary to Willow Fork 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 Willow Fork watershed



For more information call or write:

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