

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Total Maximum Daily Load Information Sheet

Miami Creek

Water Body ID: 1299

Water Body Segment at a Glance:

County: Bates
Nearby Cities: Butler
Length: 19.6 miles
Pollutant: Low dissolved oxygen
Source: Unknown



State 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. Miami Creek is impaired due to exceedances of water quality criteria for the protection of aquatic life.

Designated uses of Miami 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

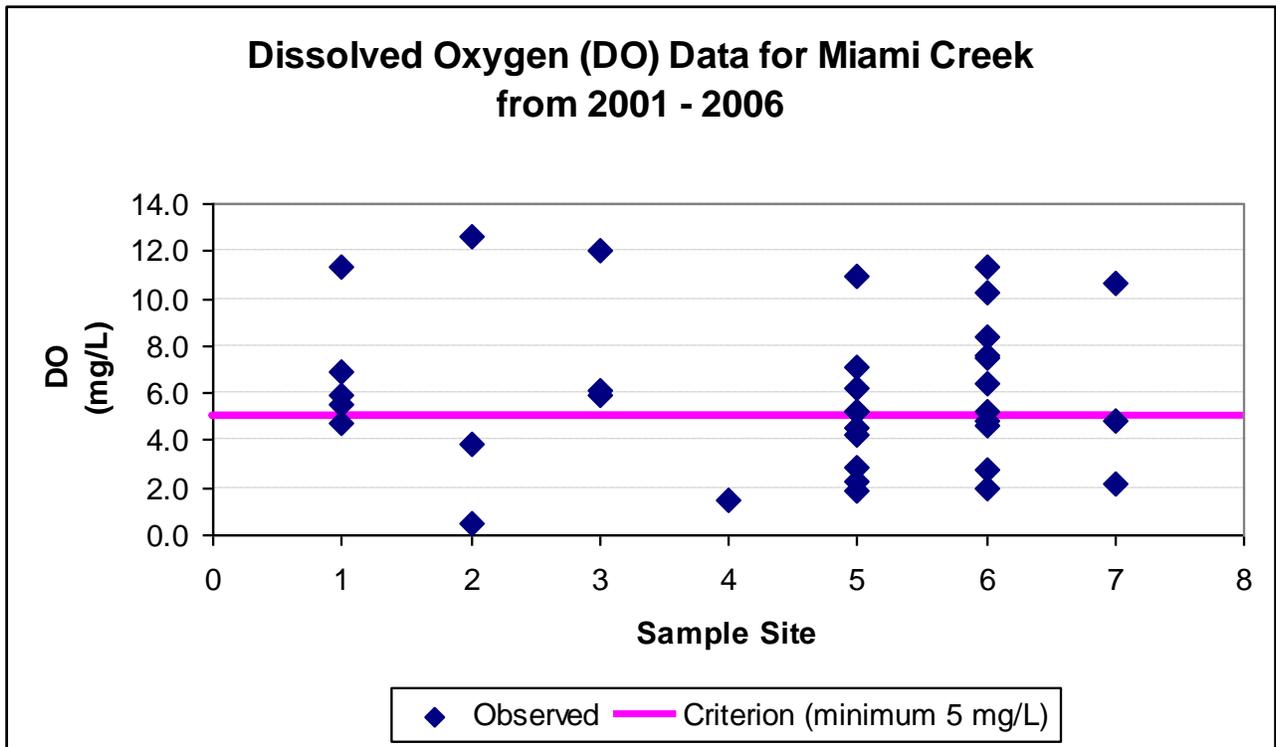
- Warm Water Habitat (WWH)

Criteria that apply

- The dissolved oxygen criterion applicable to Miami Creek is found in Table A of Missouri's Water Quality Standards at 10 CSR 20-7.031. Table A states that the minimum allowable dissolved oxygen concentration for the protection of aquatic life in warm water habitats is a minimum 5 milligrams per liter (mg/L).

Assessment and Water Quality Data

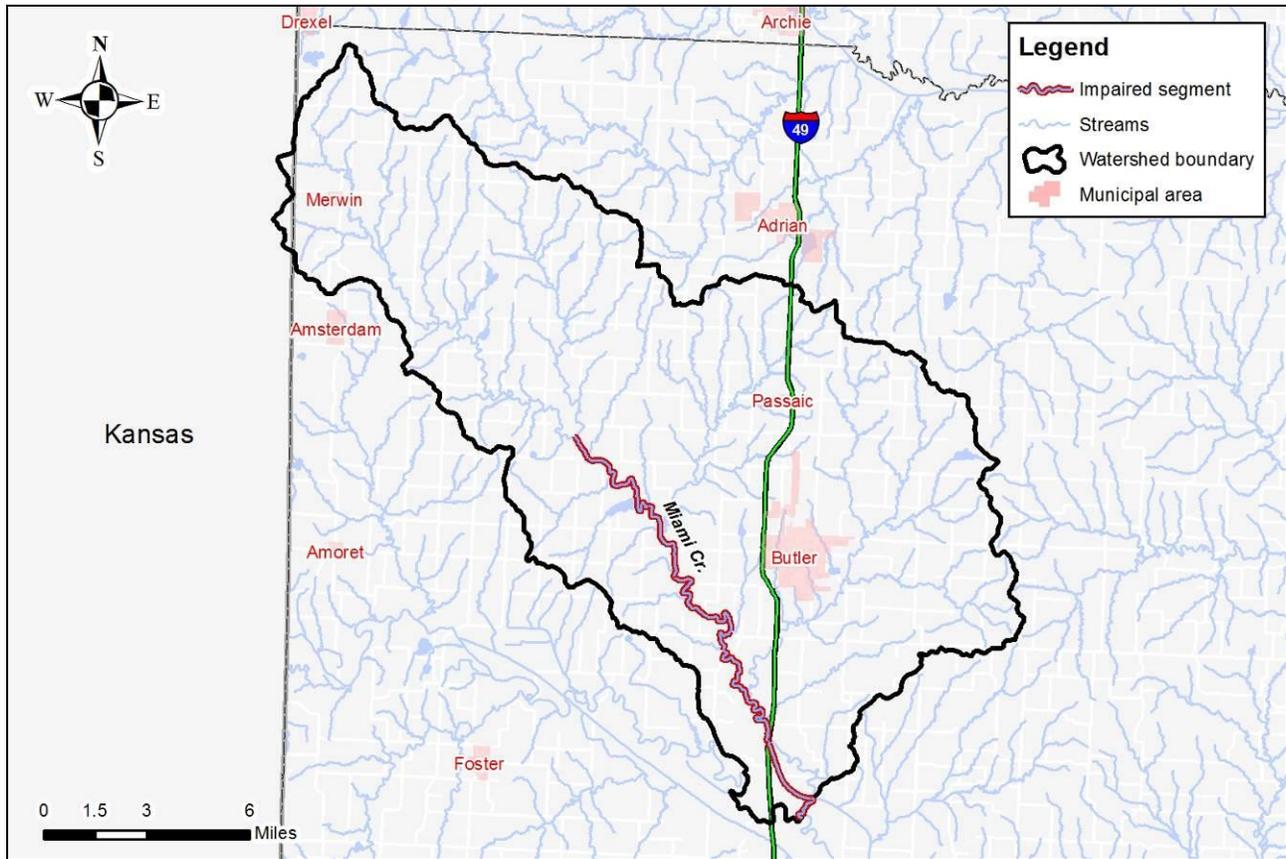
The department judges a water to be impaired due to low dissolved oxygen if more than 10 percent of measurements fail to meet the water quality criterion. In the case of Miami Creek, 10 of 28 samples, or 35.7 percent, collected upstream of the confluence with Mound Branch did not meet the water quality criterion and six of 14, or 42.8 percent, downstream of Mound Branch.



TMDL for Miami Creek

The Miami 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 Miami 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 Miami Creek watershed



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