

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Total Maximum Daily Load Information Sheet

Pole Cat Slough

Water Body ID: 3120

Water Body Segment at a Glance:

County: Dunklin
Nearby City: Kennett
Length: 12.6 miles
Pollutants: Low dissolved oxygen and Temperature
Source: Unknown



State Map Showing Location of Watershed

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. Pole Cat Slough is impaired due to exceedances of state water quality criteria that protect aquatic life.

Designated uses of Pole Cat Slough*

- 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 uses that are impaired

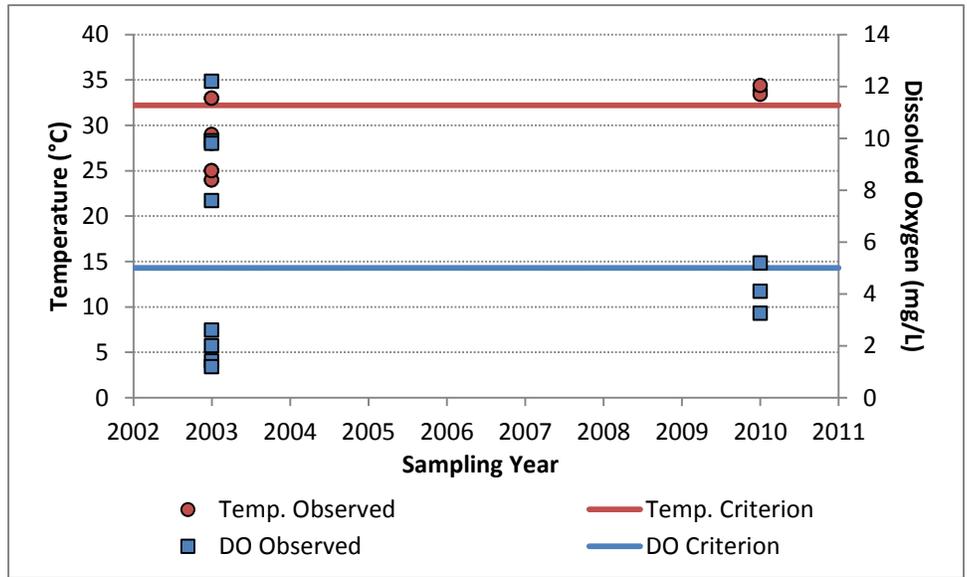
- Warm Water Habitat (WWH)

Criteria that apply

- In the Missouri Water Quality Standards at 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen for warm water fisheries is a minimum of 5 milligrams per liter (mg/L).
- Table A also provides a maximum temperature criterion of 90°F (32.22°C) for the protection of warm water aquatic life as well as a 5°F (2.77°C) maximum change that is allowed.

Assessment and water quality data

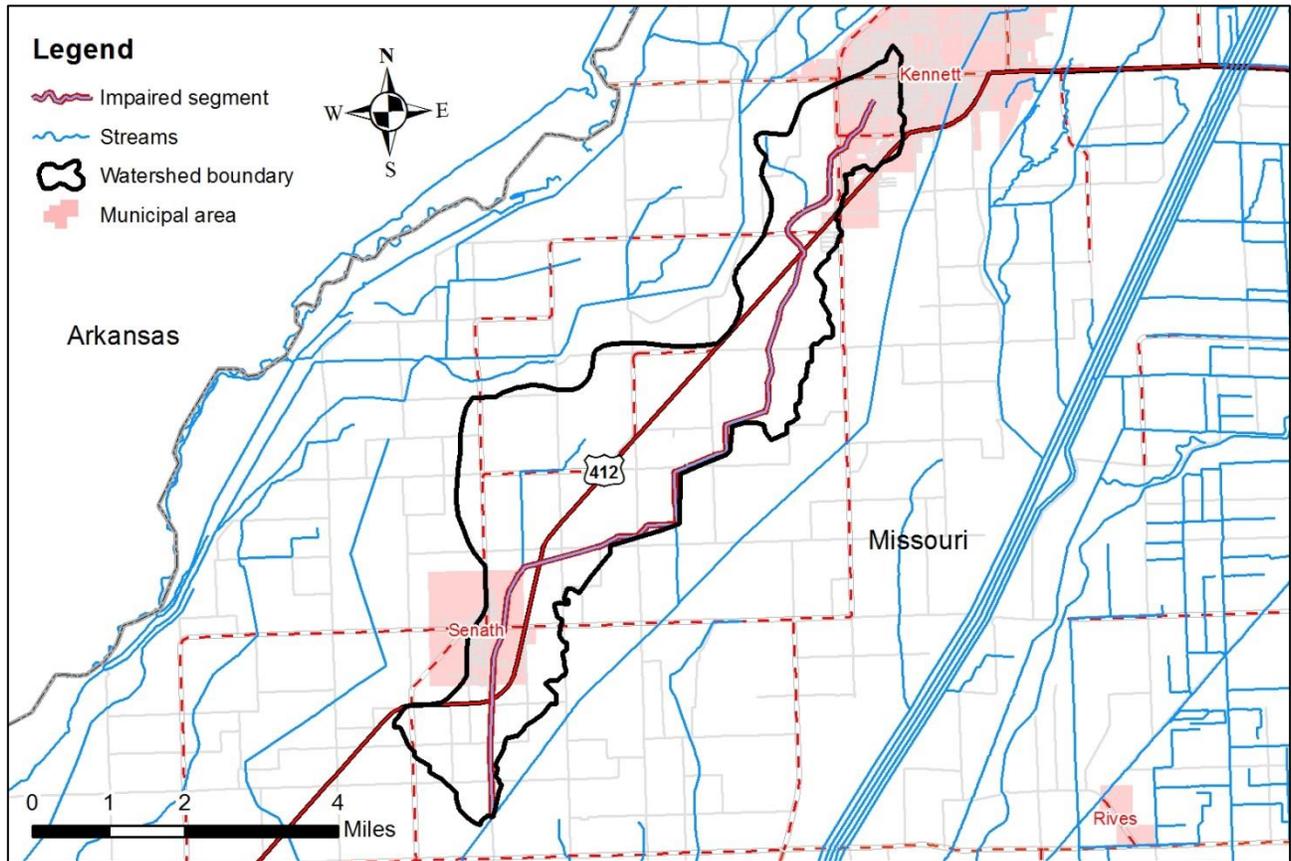
The department judges a stream to be impaired due to low dissolved oxygen if more than 10 percent of measurements fail to meet the water quality criterion. For Pole Cat Slough, six of 11 measurements, or 55 percent, fall below the minimum dissolved oxygen criterion. Likewise for temperature, the department also judges a stream to be impaired if more than 10 percent of the measurements exceeded the water quality criterion. For Pole Cat Slough, five of 11 temperature measurements, or 45 percent, exceed the maximum temperature criterion.



TMDL for Pole Cat Slough

The Pole Cat Slough 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 Pole Cat Slough 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 Pole Cat Slough Watershed



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