

**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

# Total Maximum Daily Load Information Sheet

## Tributary to Shoal Creek

Water Body ID: 3981

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### Water Body Segment at a Glance:

**County:** Jasper and Newton  
**Nearby City:** Joplin  
**Length:** 1.6 miles  
**Pollutants:** Cadmium and Zinc  
**Source:** Tanyard Hollow Pits



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](http://dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm)

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### 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. This unnamed tributary to Shoal Creek is impaired due to exceedances of state water quality criteria that protect aquatic life.

### Designated uses of Tributary to Shoal Creek

No uses are currently assigned to this stream. However, 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

- General Criteria

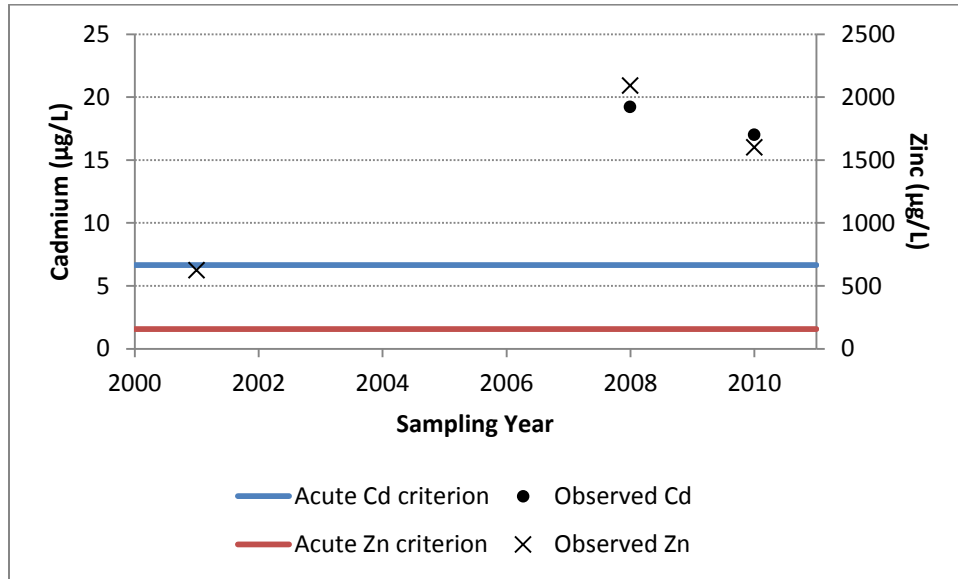
### Criteria that apply

- Missouri streams are protected by the general criteria found at 10 CSR 20-7.031(4). The particular general criteria that apply to the Tributary to Shoal Creek include:

- (D) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal, or aquatic life.
- (G) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community.

### Assessment and water quality data

A stream without assigned designated uses is judged to be impaired by metals if the acute water quality criteria are exceeded more than one time in the last three years for which data is available. For this tributary of Shoal Creek, there were two exceedances of the acute criterion for cadmium and three exceedances of the acute criterion for zinc.



### TMDL for Tributary to Shoal Creek

The Tributary to Shoal 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 Tributary to Shoal 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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Fax: 573-526-6802  
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Program Home Page: [dnr.mo.gov/env/wpp/index.html](http://dnr.mo.gov/env/wpp/index.html)

# Map of the Tributary to Shoal Creek Watershed

