

Missouri Department of Natural Resources
Total Maximum Daily Load Information Sheet

South Wyaconda River

Water Body Segment at a Glance:

County: Clark, Scotland
Nearby Cities: Arbela
Length of Impairment: 9.0 Miles
Pollutant: Manganese
Source: Natural sources



State map showing location of watershed

Note: This river was deleted from the 2004/2006 303(d) List because the criterion for manganese has been removed from Missouri's Water Quality Standards.

Note: See, also, the Sediment Information Sheet

Water Body Removed from List: Sept. 27, 2007

Description of the Problem

Beneficial uses of South Wyaconda River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Human Health Protection (Fish Consumption)
- Whole Body Contact Recreation – Category B
- Drinking Water Supply (for the segment between the Scotland/Clark county line to Section 4, Township 65N, Range 10W, in the vicinity of Arbela)

Use that was listed as impaired

- Drinking Water Supply

Standards that apply

There is **no longer** a criterion in the Missouri Water Quality Standards (10 CSR 20-7.031) for manganese. The standard used to be 50 µg/L as the maximum amount of manganese allowed for Drinking Water Supplies. This was an aesthetic standard that sought to protect a water supply against possible taste, odor and laundry staining problems caused by excessive amounts of manganese. Exceedence of that standard was not a threat to human health.

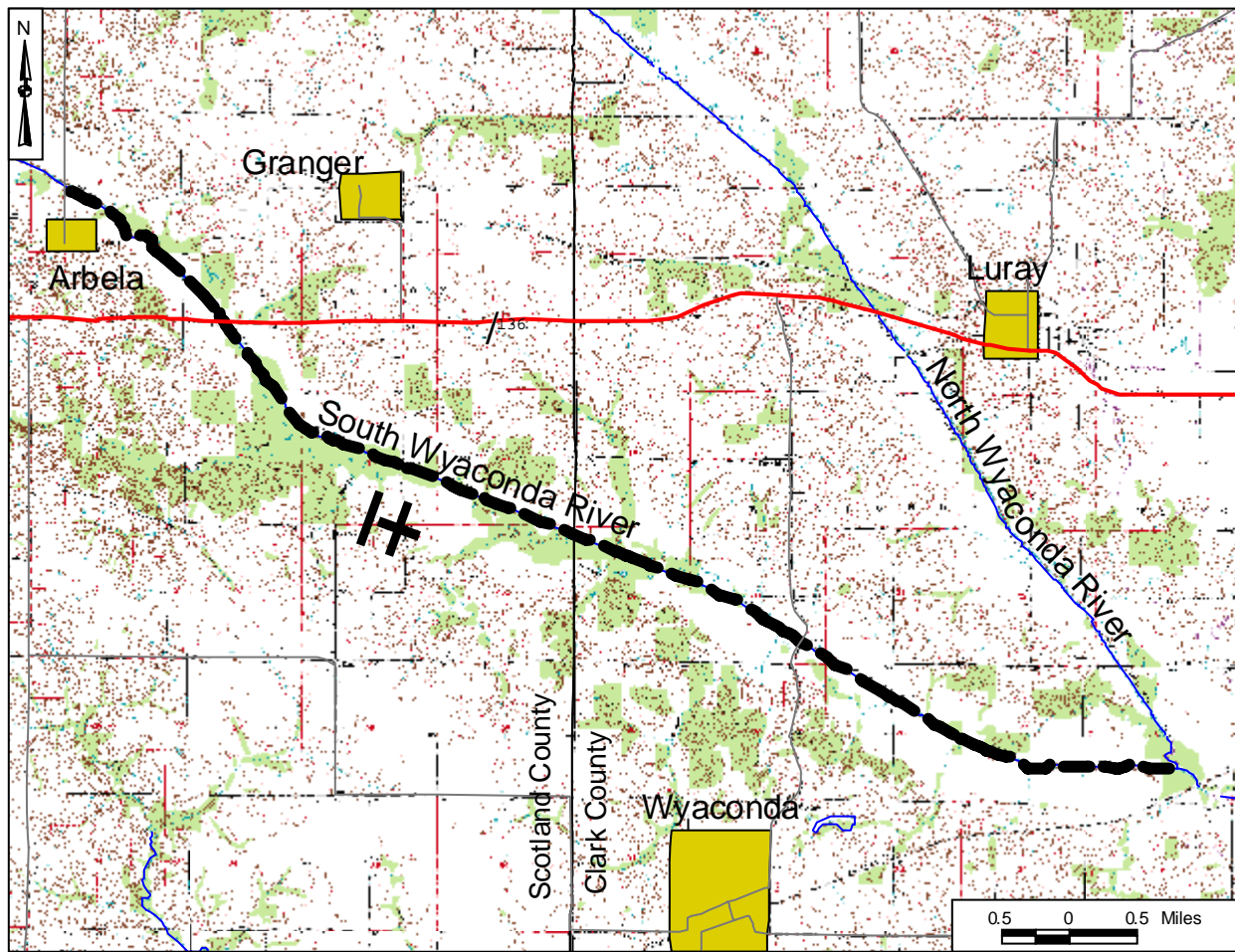
Background Information

Manganese does not present any human health hazards, but is responsible for offensive tastes and appearances in drinking water, as well as staining laundry and fixtures. It can react with tannins in coffee, tea and in other beverages, producing a black sludge, which affects both taste and

appearance. Manganese causes a brownish-black staining of laundry, porcelain, dishes, utensils and glassware. Soaps and detergents do not remove the stains, and use of chlorine bleach can intensify the stains. Manganese can build up in pipelines, pressure tanks, water heaters and water softeners and causes equipment problems and energy cost increases due to mineral deposits.

The Missouri Clean Water Commission voted to remove manganese and iron from the list of impairments to drinking water sources since they do not cause health problem, do not adversely affect aquatic life and can be removed by drinking water treatment facilities. That action took effect Dec. 31, 2005 and the U.S. Environmental Protection Agency removed this river from the 2004/2006 303(d) List Sept. 27, 2007.

South Wyaconda River in Scotland and Clark Counties, Missouri



--- Formerly listed segment → Direction of flow

For more information call or write:
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