

Missouri Department of Natural Resources

Water Resources Center

- ◆ Performs water supply analysis, drought assessments, flood and hydrology studies, and analysis of water use data.
- ◆ Monitors surface and groundwater quantity.
- ◆ Operates and maintains a groundwater level observation well network.
- ◆ Engages in state water planning efforts.
- ◆ Maintains a database of information from registered major water users.
- ◆ Administers interstate water compacts and agreements.



To learn more about the Missouri Water Resources Plan visit dnr.mo.gov/mowaterplan

If you would like assistance or have questions, please contact the Water Resources Center at 573-751-2867, or by email at mowaterplan@dnr.mo.gov

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Missouri Water Resources Plan

The Missouri Water Resources Plan is a long-range, comprehensive strategy to provide an understanding of our water resource needs. It will help ensure the quantity of Missouri's water resources will meet our future demands by identifying future shortfalls in water supplies, and exploring options to address those water needs.

Planning is critical to identify water needs now and for the future. It prepares us for water delivery in the face of stresses on supply caused by situations, such as drought and increasing demand. It is imperative we look to the future and prepare for our water needs.

Missouri Water Resources Law

Missouri Water Resources Law (Section 640.415, RSMo) requires the Department of Natural Resources to develop, maintain and periodically update a state water plan to ensure Missouri's water resources needs will be met.



In partnership with the U.S. Army Corps of Engineers



Water Resources Plan Goals & Objectives

- ◆ Develop an updated evaluation of current groundwater and surface water availability.
- ◆ Produce an in-depth analysis of current and future water needs for water use sectors such as drinking water supplies, agriculture, industry, recreation, and navigation.
- ◆ Identify gaps in water availability based on water use needs through 2060.
- ◆ Recognize multiple impacts on water availability.
- ◆ Identify water and wastewater infrastructure needs and evaluate funding and financing opportunities.
- ◆ Meet with the Interagency Task Force, an advisory group for the development and implementation of the water plan.
- ◆ Establish five technical workgroups to guide development of the water plan content:
 - Consumptive water needs
 - Non-consumptive water needs
 - Water quality
 - Infrastructure needs
 - Agricultural needs
- ◆ Gather public and stakeholder input to help identify water resource needs and priorities.
- ◆ Understand areas where developing new and more sustainable water sources, better infrastructure, and more integrated water supplies can help to sustain water delivery.

Missouri Water Facts

- ◆ Approximately 61 percent of Missourians rely on surface water for their primary water supply, while 39 percent of the population relies on groundwater.
- ◆ About 3 million Missourians (or approximately 47 percent of the population) are dependent on the Missouri River for their water supply.
- ◆ Currently 2,800 major water users who each can utilize more than 100,000 gallons of water per day are registered in the state.
- ◆ MoDNR maintains 150 wells in the Groundwater-Level Observation Well Network.
- ◆ MoDNR funds 42 of the 250 U.S. Geological Survey streamgages in Missouri.
- ◆ Missouri is a riparian water law state. Each landowner is entitled to reasonable water use found on their property as long as it does not interfere with the water rights of others.
- ◆ 92 percent of public water systems are supplied by groundwater.



History of Missouri Water Planning

Developing, updating and implementing Missouri's water plan has been an ongoing effort for nearly 80 years.

1938 | First State Water Plan

Described water-related issues and recommended water resources studies, projects, policies and legislation.

1982 | Missouri Water Atlas

Provided basic water information.

1986 | Revised Missouri Water Atlas

Provides basic water information.

1989 | Missouri Water Resources Law

Enacted to develop a comprehensive state water plan.

1990 | Priority Issues List

Identified 52 water resource issues facing the state.

1995-1997 | State Water Plan Phase I Update

A seven-volume plan providing information about the water resources of the state.

1998-2004 | State Water Plan Phase II Update

A six-volume report identifying water use concerns in various regions of the state.

2005, 2011, 2013 | Series of Drought Assessment Reports

Evaluation of water supplies that are expected to experience water shortages during an extended drought.

2016-2019 | Current Water Resources Plan Update