



Earth-Science Information for the Present and Future

U.S. Geological Survey Activities in Montana
October 2005

U.S. Department of the Interior
U.S. Geological Survey

Mission of the USGS

§ Provide reliable scientific information to describe and understand the Earth.

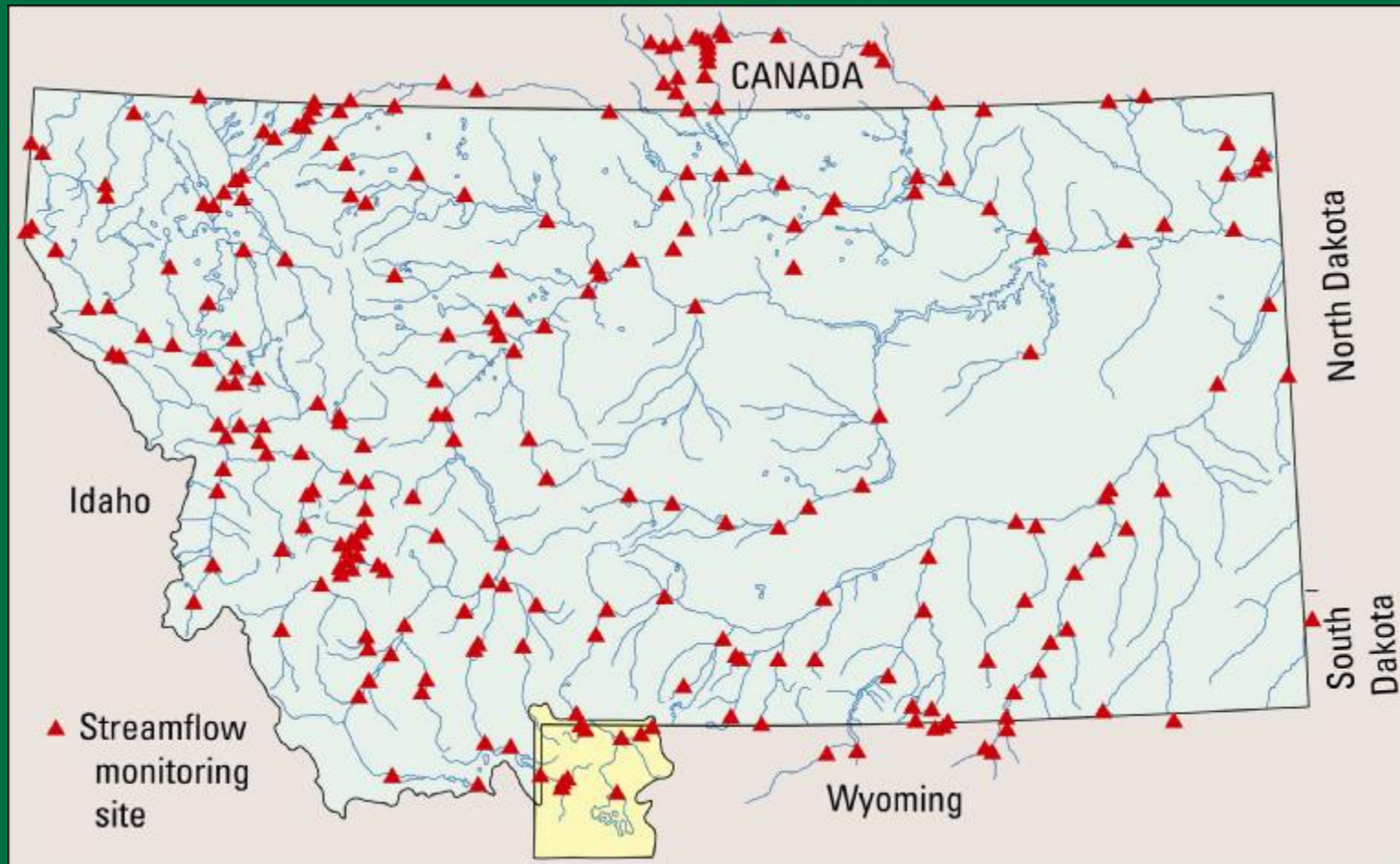
§ Information is used by natural-resource managers and others to:

- enhance and protect our quality of life;
- manage water, biological, energy and mineral resources; and
- minimize loss of life and property from natural disasters.

Cooperators

§ Many USGS activities are conducted in cooperation with other Federal, State, Tribal, and local entities.

Streamflow Monitoring



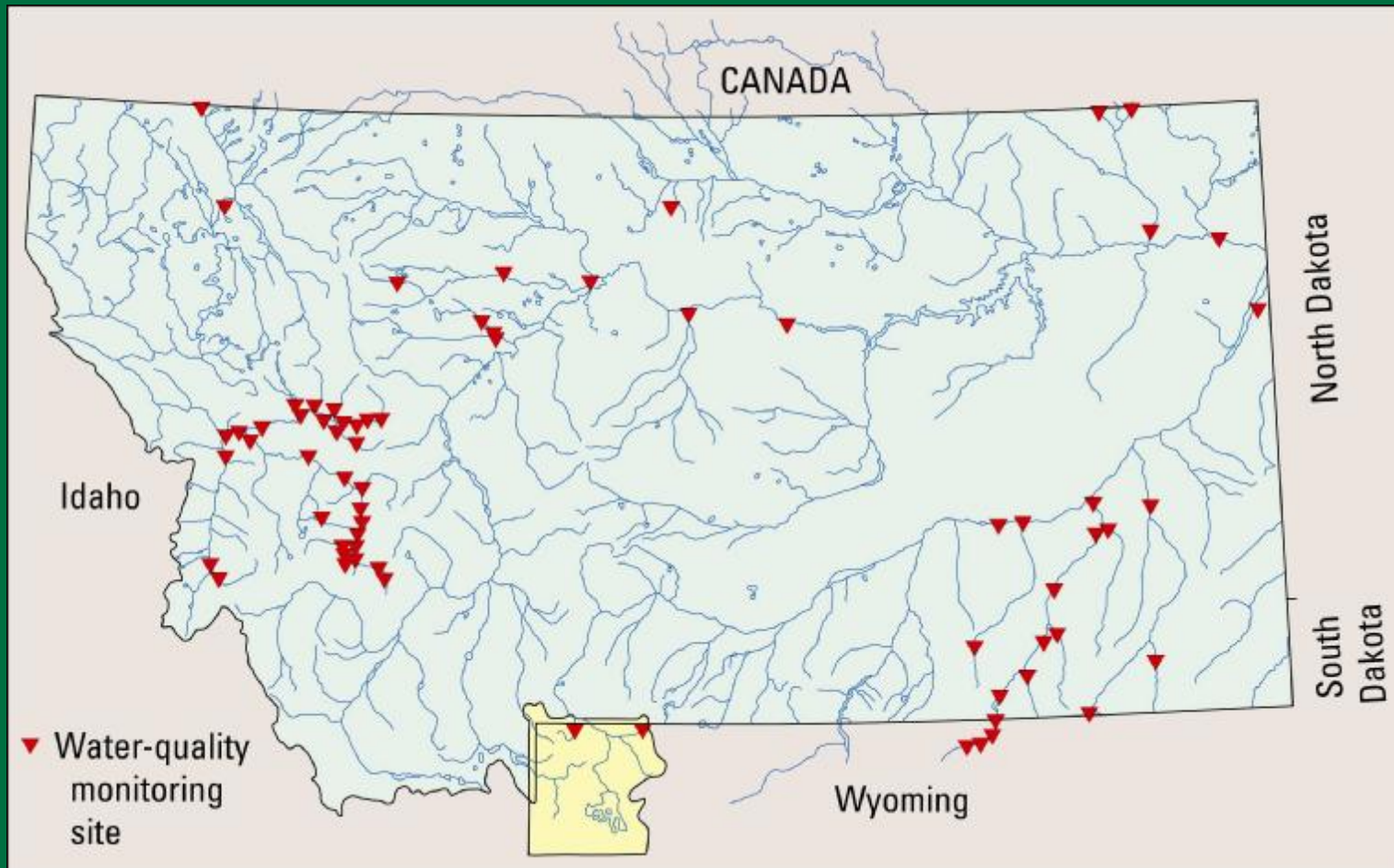
Streamflow Monitoring

§ Network is operated by USGS.

§ Program is supported by USGS and about 25 cooperators.

§ Information is available in real time at <http://waterdata.usgs.gov/mt/nwis/rt> .

Water-Quality Monitoring



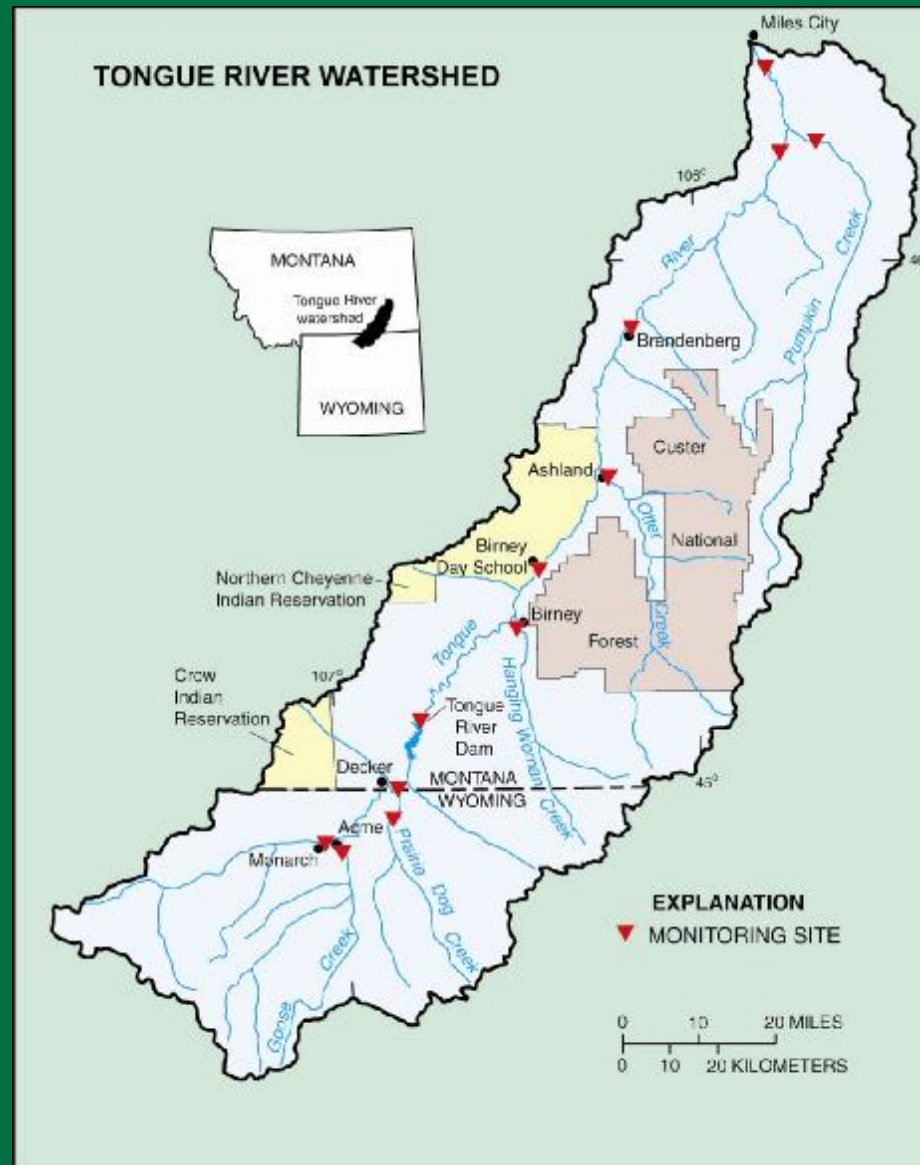
Water-Quality Monitoring

§ Network is operated by USGS.

§ Program is supported by USGS and about 12 cooperators.

§ Information is available at
<http://waterdata.usgs.gov/mt/nwis> .

Tongue River Monitoring Network



Tongue River Monitoring Network

- § Network is operated by USGS with support from Congress and 7 cooperators.
- § 12 sites in Montana and Wyoming.
- § Continuous streamflow.
- § Continuous seasonal SC and estimated SAR.
- § Periodic water-quality sampling.
- § Real-time and other information at

<http://tonguerivermonitoring.cr.usgs.gov> .

Other USGS Activities

- § Studies of water availability and quality in coal and CBM areas of southeastern Montana.
- § Studies and research regarding coal and CBM resources, biological resources, and other related topics.
- § Reports of studies and research available at <http://www.usgs.gov/pubprod/publications.html> and <http://energy.cr.usgs.gov> or from USGS offices.

Earth-Science Information is Valuable

- § Good information is needed for wise use and management of our natural resources.
- § The USGS plans to continue to work with other entities to provide unbiased, relevant information to the public in a timely manner.



Tongue River at State Line, Montana, August 2003. View is looking upstream from the gaging station.