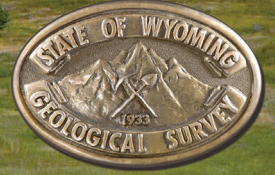




# WYOMING STATE GEOLOGICAL SURVEY

Erin A. Campbell, Director and State Geologist



## **Powder/Tongue/Northeast River Basins Water Plan Update Groundwater Study Level I (2002–2016)**

### **Available Groundwater Determination Technical Memorandum No. 8**



by

Karl G. Taboga, Timothy T. Bartos, Laura L. Hallberg, Melanie L. Clark,  
James E. Stafford, and Andrea M. Loveland



**Prepared for the Wyoming Water Development Commission**



# Director and State Geologist Erin A. Campbell

Powder/Tongue/Northeast River Basins Water Plan Update  
Groundwater Study  
Level I (2002–2016)

**Design and layout by:**  
**James R. Rodgers**

Available Groundwater Determination  
Technical Memorandum No. 8

**Editing by:**  
**Alec Osthoff**

Prepared for the Wyoming Water Development Commission

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*Front cover photos: (top) Cheyenne River near Mule Creek Junction, looking west from the bridge at Highway 85, (middle) Tongue River, looking west from the Welch Ranch Recreation Area near Acme, and (bottom) Powder River, looking north, from the Highway 14/16 bridge near Arvada.*

*Back cover photos: (top) Little Powder River near Weston Wyoming. Public domain photo by USGS, (middle) Little Bighorn River in Sheridan County, Wyoming. Photo by Wyoming Game and Fish Department, used with permission, and (bottom) Redwater Creek in the Belle Fourche River Basin, near Beulah, Wyoming.*

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December 2019

Karl G. Taboga<sup>1</sup>, Timothy T. Bartos<sup>2</sup>, Laura L. Hallberg<sup>2</sup>, Melanie L. Clark<sup>2</sup>,  
James E. Stafford<sup>1</sup>, and Andrea M. Loveland<sup>1</sup>

Alec Osthoff, Editor

This report was prepared under contract for the Wyoming Water Development Commission (WWDC) by the Wyoming State Geological Survey (WSGS)<sup>1</sup>, the United States Geological Survey (USGS)<sup>2</sup>, and the Water Resources Data System (WRDS) in cooperation with the Wyoming State Engineer's Office (WSEO), and the Wyoming Oil and Gas Conservation Commission (WOGCC)

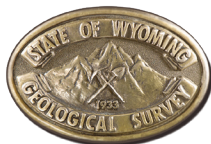
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<sup>1</sup>Wyoming State Geological Survey, P.O. Box 1347, Laramie, Wyoming 82073-1347

<sup>2</sup>United States Geological Survey, Wyoming-Montana Water Science Center, 521 Progress Circle, Suite 6, Cheyenne, Wyoming 82007

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Wyoming State Geological Survey, Laramie, Wyoming



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