Potentiometric Surface Map of the Fox Hills-Lower Hell Creek Aquifer, Lower Yellowstone River Area; Dawson, Fallon, Prairie, Richland, and Wibaux Counties, Montana

by
John J. Laffter

Explanation
- Water level datum is well completed in the Fox Hills-Lower Hell Creek aquifer
- Water level datum in flooding and completed in the Fox Hills-Lower Hell Creek aquifer

Data Sources
- U.S. Geological Survey (USGS) data
- Montana Department of Natural Resources and Conservation (DNRC) data

Map Use
- This map is intended for use by practitioners, students, or others interested in the water resources of the area.
- The map provides information on the potentiometric surface of the Fox Hills-Lower Hell Creek Aquifer.

Map Construction
- The map was constructed using GIS software and elevation data from the National Elevation Dataset (NED).
- Hydrologic modeling was used to simulate the flow of water through the aquifer.

Acknowledgments
- The authors acknowledge the contributions of the following individuals:
  - John J. Laffter, Montana Department of Natural Resources and Conservation
  - Other contributors who assisted in the development of the map

Ground-Water Flow
- Ground-water flow patterns are depicted on the map using arrows indicating the direction of flow.
- The map shows areas of recharge and discharge of the aquifer.

Note: The map is intended for use by practitioners, students, or others interested in the water resources of the area. The data used to create the map are subject to errors and omissions. The map is not intended to be a substitute for on-site investigation or professional consultation.