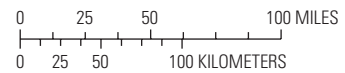


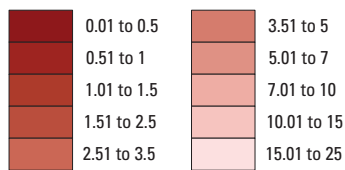
Base from U.S. Geological Survey digital data, 2013, 1:1,000,000  
 North American Lambert Conformal Conic projection  
 North American Datum of 1983



**EXPLANATION**

**Glacial aquifer system**

Range of horizontal hydraulic conductivity  
 (feet per day)



- Study area boundary
- - - General structural basin divide, modified from Miles City arch (fig. 1)
- Well used in resistivity log analysis
- Well used in specific capacity analysis
- - - Extent of glacial aquifer system

**Figure 1-1.** Estimated horizontal hydraulic conductivity for the glacial, lower Tertiary, and Upper Cretaceous aquifer systems in the Williston (WB) and Powder River (PRB) structural basins.