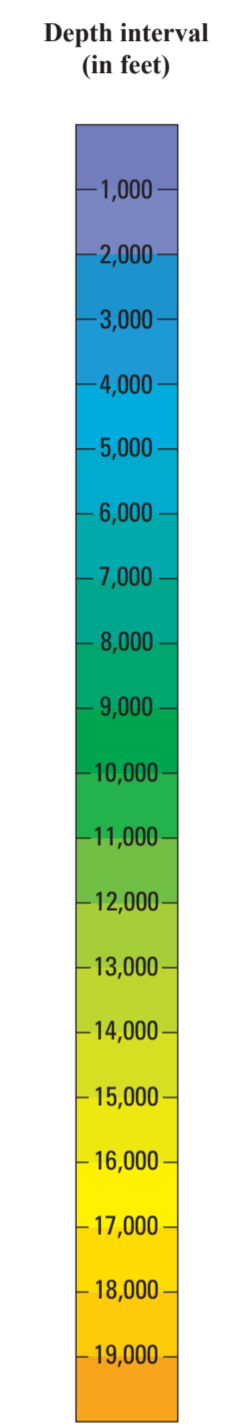
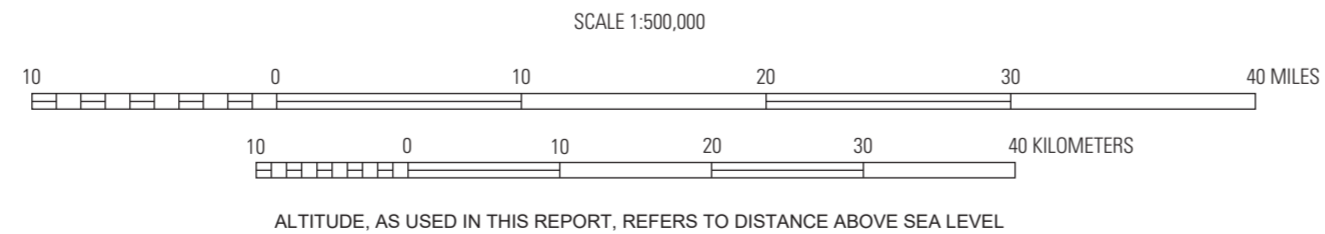
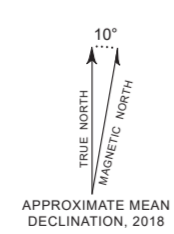


- EXPLANATION OF MAP SYMBOLS**
- Tertiary volcanic rocks
 - Frontier Formation outcrop
 - Precambrian rocks
 - Bighorn Basin boundary
 - Faults**
 - Thrust fault—Sawteeth on upper plate
 - Normal fault—Bar and ball on downthrown block
 - High-angle fault
 - Strike-slip fault—Wrench fault; arrows show relative movement
 - Overburden contours**—Showing overburden thickness to the base of the “chalk kick” marker bed
 - Index contours—Contour interval 5,000 feet
 - Intermediate contours—Contour interval 1,000 feet
 - Wells**
 - Drilled through the Niobrara interval
 - Estimated pick



Base from U.S. Geological Survey, 2010, 1:2,000,000-scale digital data
Lambert Conformal Conic projection
Standard parallels 41° and 49°, Central meridian -107° 30'
Latitude of origin 41°, meters
North American Datum of 1983 (NAD83)



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Depth to the Base of the Niobrara Interval of the Upper Cretaceous Cody Shale in the Bighorn Basin, Wyoming and Montana

By
Thomas M. Finn
2020

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