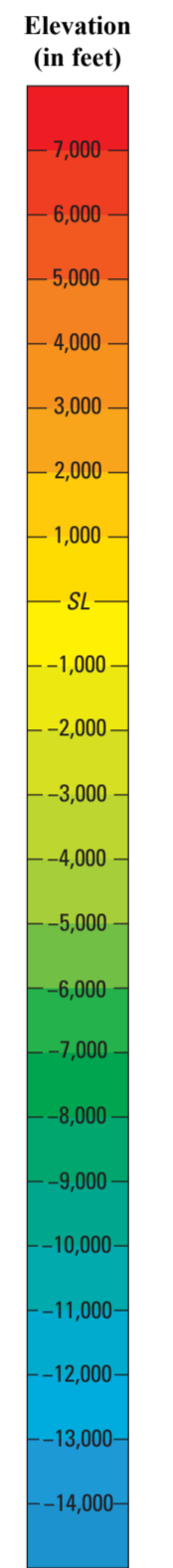
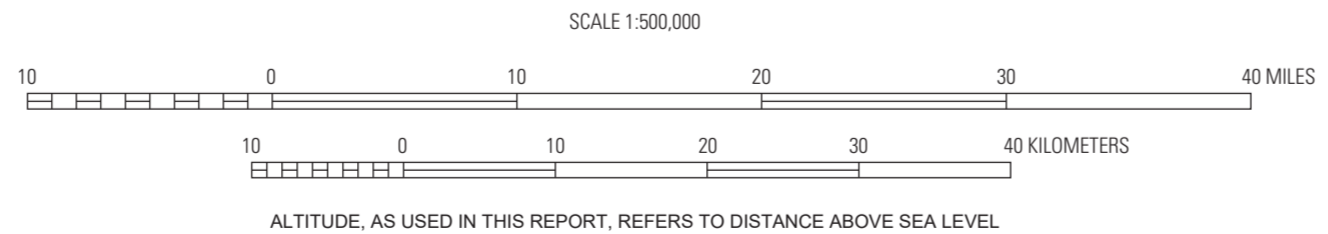
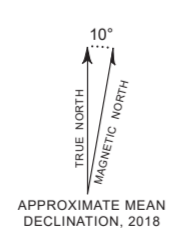


- EXPLANATION OF MAP SYMBOLS**
- Tertiary volcanic rocks
 - Frontier Formation outcrop
 - Precambrian rocks
 - Bighorn Basin boundary
 - Faults**
 - Thrust fault—Sawteeth on upper plate
 - Normal fault—Bar and ball on downthrown block
 - High-angle fault
 - Strike-slip fault—Wrench fault; arrows show relative movement
 - Structure contours—Drawn at base of the “chalk kick” marker bed.
 - Index contours—Contour interval 5,000 feet
 - Intermediate contours—Contour interval 1,000 feet
 - Anticline
 - Syncline
 - 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 45°; Central meridian -107° 30'
Latitude of origin 41°; meters
North American Datum of 1983 (NAD83)



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ALTITUDE, AS USED IN THIS REPORT, REFERS TO DISTANCE ABOVE SEA LEVEL



Structure Contour Map of 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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