

**EXPLANATION**

**QUATERNARY**

- Qal Alluvium
- Qw Older alluvium  
*Surficially modified by wind.*
- Qtg Terrace gravel
- Kbf Belle Fourche shale

**CRETACEOUS**

- Kmo Mowry shale
- Ksc Skull Creek shale
- Kfr Fall River sandstone

*Top of Fall River sandstone indicated by ticked line. Detailed lithology of units within the Fall River sandstone is as follows: sm, interbedded sandstone and mudstone; and ss, interbedded sandstone and siltstone. A prominent mudstone is numbered.*

*Unit No. 6 (m<sub>6</sub>) is a variegated mudstone with red and gray predominating; generally 20 feet thick. This unit is labeled m<sub>6</sub> on the preliminary geologic maps of the adjacent Edgemont NE quadrangle.*

**Type of exposure**

*Small letters denote type of exposure within mapped units. "a" denotes areas of good exposure, "b" areas of intermittent exposure, and "c" areas of no exposure. Type of exposure was mapped only on the Fall River sandstone.*

**Contact**

*Long dashes where approximately located; short dashes where indefinite or inferred.*

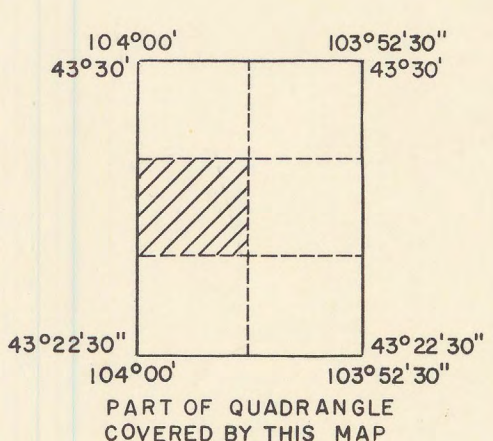
**Limit of exposure**

*--- 3600 ---*

**Structure contour**

*Drawn on base of Fall River sandstone. Approximately located. Contour interval is 50 feet. Datum is mean sea level.*

**Sandstone dikes**



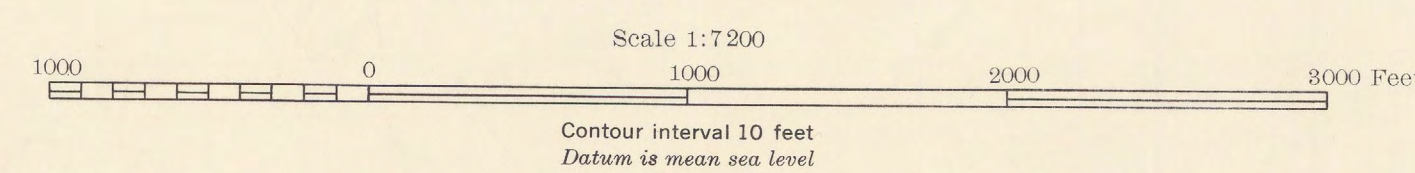
TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1958

U. S. GEOLOGICAL SURVEY  
WASHINGTON  
APR -9 1958  
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Topography by U. S. Geological Survey  
by multiplex methods from aerial photographs

PRELIMINARY GEOLOGIC MAP OF THE WEST CENTRAL PART OF THE BURDOCK QUADRANGLE, FALL RIVER COUNTY, SOUTH DAKOTA

By  
R. W. Schnabel and L. J. Charlesworth, Jr.



South Dakota (w.c. Burdock quad). Geol. 1:7,200. 1958.  
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