

EXPLANATION

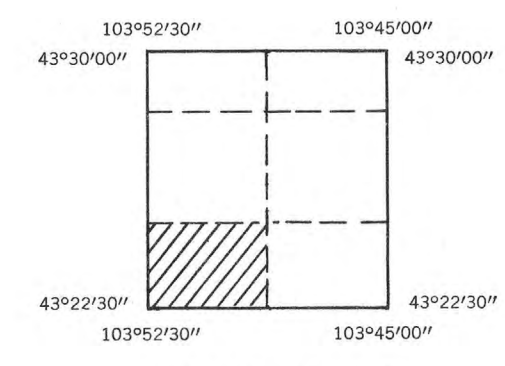
- Qol Alluvium
- Qlg Terrace gravel
- Twr White River(?) formation
- Ksc Skull Creek shale
- Kfr Fall River sandstone
- Kfml Fuson formation, Minneware limestone, and Lakota sandstone, undifferentiated

Base of Lakota sandstone indicated by ticked line. Contact between Fall River sandstone and Fuson formation indicated by doubly ticked line. Top of Fall River sandstone indicated by ticked line. Detailed lithology of units within the formations is as follows: s, sandstone; sm, interbedded sandstone and mudstone; ss, interbedded sandstone and siltstone; m, mudstone. Prominent sandstone and mudstone units are numbered from oldest to youngest as follows: Unit No. 6 (S₆) is an iron-stained, medium to fine-grained sandstone, generally light grayish orange. Unit No. 5 (M₅) is a variegated mudstone with red and gray predominating; generally 10 to 25 feet thick. Unit No. 4 (S₄) is a thick crossbedded fine to coarse-grained channel sandstone; light yellowish except in areas where it is cemented with calcareous, where it weathers to a dark gray. Unit No. 3 (S₃) is a white massive fine-grained sandstone. It can generally be recognized because of its color and lack of bedding. Unit No. 1 (S₁) is a massive light yellowish clay-forming sandstone with interbedded sandstone and mudstone distributed discontinuously through the unit.

- Jm Morrison formation

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 not mapped in Quaternary deposits nor in the Skull Creek shale.

- Contact
Dashed where approximately located.
- - - Indefinite or inferred contact
- Limit of exposure
- U Fault
Dashed where approximately located. U, upthrown side; D, downthrown side.
- + + + Carbonate cement
- X Mine
- X Prospect



TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1956

PART OF QUADRANGLE COVERED BY THIS MAP

QUATERNARY
TERTIARY
CRETACEOUS
JURASSIC

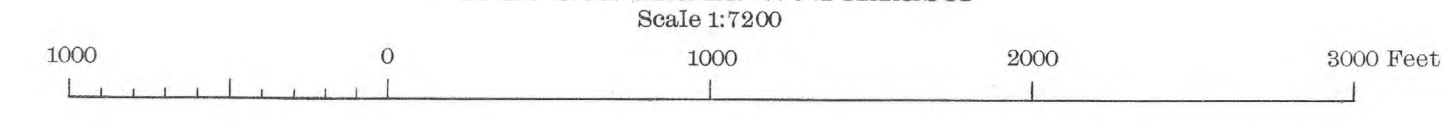
Topography from manuscript by U. S. Geological Survey by multiplex methods from aerial photographs

Geology mapped in 1954 and 1955

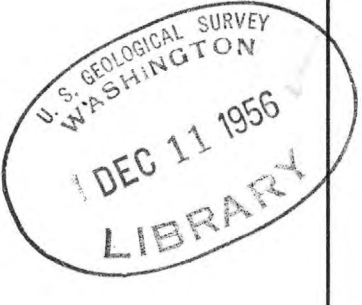
PRELIMINARY GEOLOGIC MAP OF THE SOUTHWEST PART OF THE EDMONTON NE QUADRANGLE, FALL RIVER COUNTY, SOUTH DAKOTA

By
G. B. Gott and R. W. Schnabel
Scale 1:7200

South Dakota (SW Edgemont NE quad). Geol. 1:7200, 1956.



Contour interval 10 feet
Datum is mean sea level
1956



M(200)
A 364
1956
MF-59
C, 1