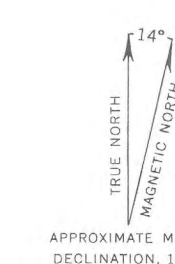
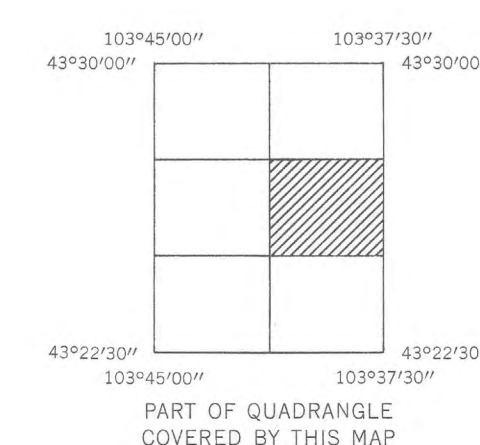
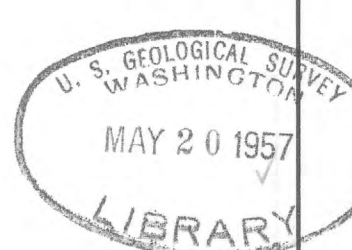


- EXPLANATION**
- QUATERNARY**
- Qal Alluvium
 - Ql Landslide
 - Km
- CRETACEOUS**
- Lower Cretaceous**
- Fuson formation, Minnewase limestone, and Lakota sandstone, undifferentiated
 - Base of Fuson formation, Minnewase limestone, and Lakota sandstone undifferentiated indicated by a ticked line, *etc.* Lithology of units is as follows: s, sandstone; m, mudstone; sm, interbedded sandstone and mudstone; ss, interbedded sandstone and siltstone. Prominent sandstone unit is numbered as follows:
 - Unit No. 1 (S₁) is a tan to yellow-gray, cliff-forming, thin to thick-bedded, fine-grained sandstone with interbedded mudstone.
- Upper Jurassic**
- Jm Morrison formation
 - Ju Unknown sandstone
 - Jsr
 - Jsl
 - Jsh
 - Jssb
 - Jscs
- TRIASSIC**
- PERMAN**
- Sundance formation
 - Redwater shale member, Jsr; Lak member, Jsl; Hallett sandstone member, Jsh; Stockade member, Jssb; Canyon Springs sandstone member, Jscs.
 - Spearfish formation
 - Cypress beds, Bsg.
 - Pm Minnekahta limestone
- Type of exposure**
- Small letters denote type of exposure within mapped units. "a" indicates areas of good exposure, "b" areas of intermittent exposure, and "c" areas of no exposure. Type of exposure not mapped in formations of Permian and Triassic age.
- Contact**
- Dashed where approximately located.
- Indefinite or inferred contact**
- Limit of exposure**
- Fault**
- Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side.
- Strike and dip of bedding**
- Horizontal beds**
- Strike and dip of joints**
- Boundary of landslide**



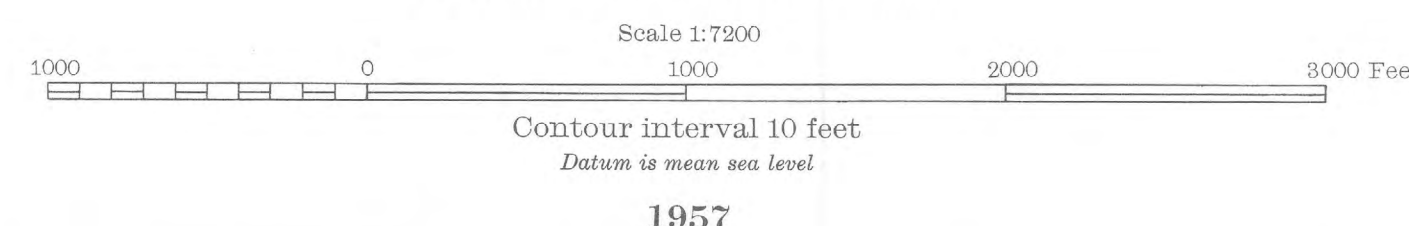
M(200)
A364
no. 68



PRELIMINARY GEOLOGIC MAP OF THE EAST-CENTRAL PART OF THE MINNEKAHTA QUADRANGLE, FALL RIVER COUNTY, SOUTH DAKOTA

By
V. R. Wilmarth and R. D. Smith

South Dakota (EC Minnekahta quad). Geol. 1:7500, 1957.
cop. 1. 2.



Base map by multiplex methods
from aerial photographs

