DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

R3E. R4E.

EDGEMONT 1 NW

CENTRAL 2

COMPOSITE EXPLANATION

Only boxes colored are shown on this map

	Areas of good exposure	Areas of intermittent exposure	Areas of no exposure	
	Qc	Qc	Qc	Colluvium
	Qal	Qal	Qal	Alluvium
	Qtl	Qtl	Qtl	Talus and landslide
	Qtg	Qtg	Qtg	Terrace gravel
	Qcg	Qcg	Qcg	Conglomerate
Upper Cretaceous	Kc	Kc	Kc	Carlile shale
	Kg	Kg	Kg	Greenhorn limestone
	Kbf	Kbf	Kbf	Belle Fourche shale
	Km	Km	Km	Mowry shale
	Kn	Kn	Kn	Newcastle sandstone
	Ksc	Ksc	Ksc	Skull Creek shale
Lower Cretaceous; Inyan Kara group; Fall River sandstone	Kfrs	Kfrs	Kfrs	Sandstone
	Kfrsm	Kfrsm	Kfrsm	Interbedded sandstone and mudstone
	Kfrm	Kfrm	Kfrm	Mudstone
	Kfrst	Kfrst	Kfrst	Siltstone
	Kfrc	Kfrc	Kfrc	Claystone
Fuson formation	Kfs	Kfs	Kfs	Sandstone
	Kfsm	Kfsm	Kfsm	Interbedded sandstone and mudstone
	Kfm	Kfm	Kfm	Mudstone
	Kfst	Kfst	Kfst	Siltstone
	Kfc	Kfc	Kfc	Claystone
Lakota sandstone	Kls	Kls	Kls	Sandstone
	Klsm	Klsm	Klsm	Interbedded sandstone and mudstone
	Klm	Klm	Klm	Mudstone
	Klst	Klst	Klst	Siltstone
	Klc	Klc	Klc	Claystone
	Kik	Kik	Kik	Inyan Kara group undifferentiated
Upper Jurassic; Sundance formation	Jm	Jm	Jm	Morrison formation
	Ju	Ju	Ju	Unkpapa sandstone
	Jsr	Jsr	Jsr	Redwater shale member
	Jsl	Jsl	Jsl	Lak member
	Jsh	Jsh	Jsh	Hulett sandstone member
	Jssb	Jssb	Jssb	Stockade Beaver shale member
	Jscs	Jscs	Jscs	Canyon Springs sandstone member
TRIASSIC?	Trs	Trs	Trs	Spearfish formation
	Trsg	Trsg	Trsg	Gypsum in Spearfish formation
PERMIAN	Pm	Pm	Pm	Minnekahta limestone
	Po	Po	Po	Opeche formation
PENNSYLVANIAN	Pm	Pm	Pm	Minnelusa sandstone

Contact
Dashed where approximately located

Indefinite or inferred contact

Limit of exposure

Landslide boundary

Fault
Dashed where approximately located; U, upthrown side; D, downthrown side.

Strike and dip of beds

Strike and dip of joints

Strike of vertical joints

Mine

Prospect

Spring

x.015
Radioactivity anomaly in millroentgens per hour
Background .008 mr/hr

TRUE NORTH
MAGNETIC NORTH
14°

APPROXIMATE MEAN DECLINATION, 1950

PART OF QUADRANGLE COVERED BY THIS MAP

This report or illustration is based on work done on behalf of the U. S. Atomic Energy Commission.

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

T 7 S.
T 8 S.

R3E. R4E.

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

Geology by V.R.Wilmarth and R.D.Smith,
Revised in part, 1954

FIG.3.-PRELIMINARY GEOLOGIC MAP OF PART OF THE MINNEKAHTA QUADRANGLE, FALL RIVER COUNTY, SOUTH DAKOTA

South Dakota (Minnekahta quad.) Geol. 1:7200. 1954.
sheet 1
cop. 1.

0 500 1000 2000 3000 4000 Feet

Contour interval 10 feet
Datum is mean sea level

1954

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