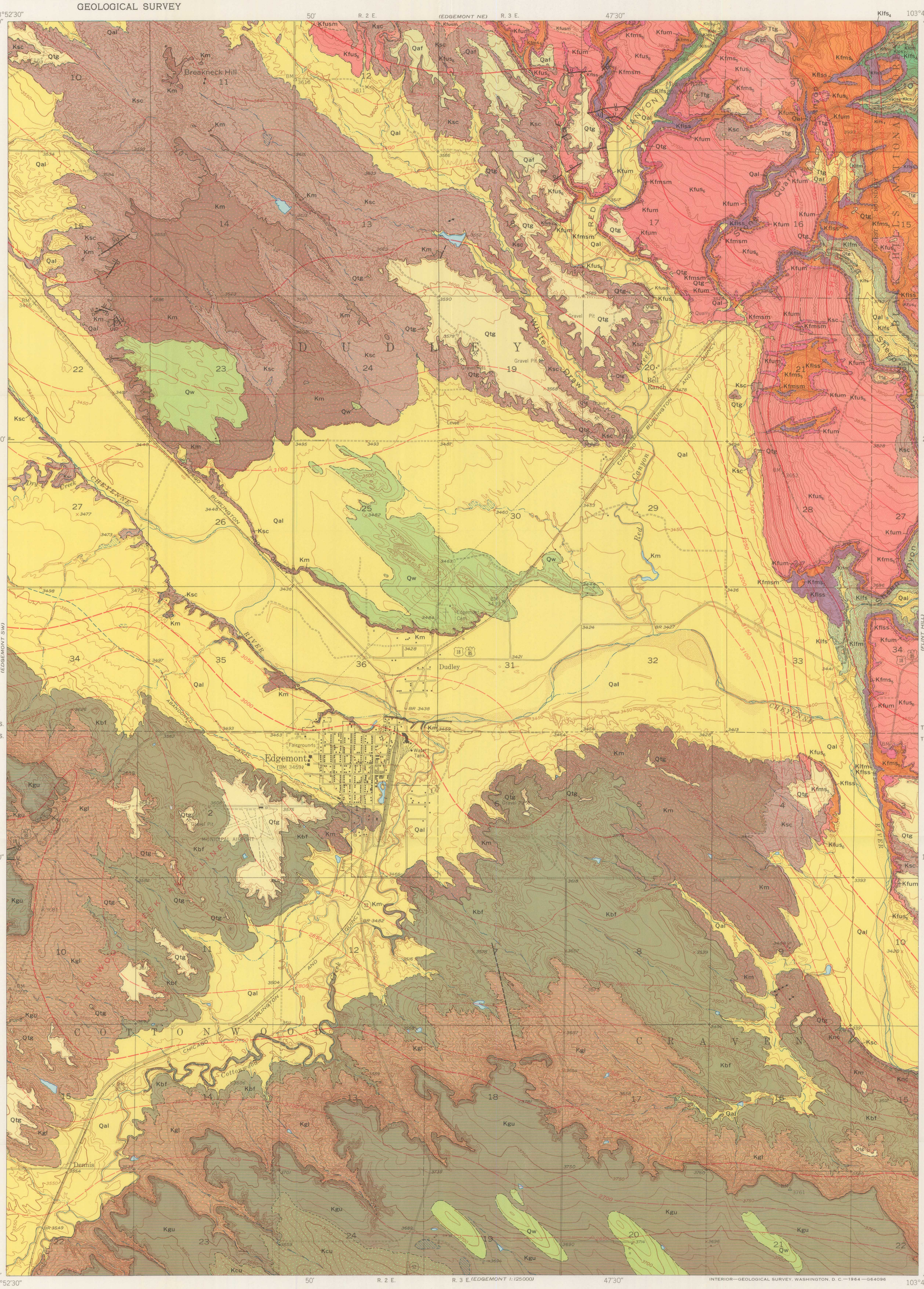

EXPLANATION

Qw — Windblown material

Qal — Alluvium

Qaf — Alluvial fan

Qtg — Terrace gravel

Ttg — Terrace gravel

Kcu — Carlile Shale
Lower unnamed shale member

Kgu, Kgl — Greenhorn Formation
Kgu, *upper unit.*
Kgl, *lower unit*

Kbf — Belle Fourche Shale

Km — Mowry Shale

Knc — Newcastle Sandstone

Ksc — Skull Creek Shale

Kfus6, Kfusm, Kfum — Upper unit
Kfus6, *sandstone.*
Kfusm, *interbedded sandstone and mudstone.*
Kfum, *variegated red and gray mudstone*

Kfms5, Kfmsm — Middle unit
Kfms5, *sandstone.*
Kfmsm, *interbedded sandstone and mudstone*

Kfiss — Lower unit
Klfss, *interbedded sandstone and siltstone*

UNCONFORMITY

Klfs4, Klfm, Klfs — Fuson Member
Klfs4, *sandstone.*
Klfm, *mudstone.*
Klfs, *mudstone and shale, interbedded with a few thin white sandstones*

Klcs2, Klcm — Chilson Member
Klcs2, *white, fine-grained massive sandstone.*
Klcm, *red to greenish gray mudstone*

Contact
Dashed where approximately located; short dashed where indefinite or inferred

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

3500
3450
Structure contours
Drawn on base of Fall River Formation. Dashed where projected below ground; short dashed where restored above ground. Shape of contours is interpreted, where buried, from structure and thickness of overlying formations. Contour interval 50 feet. Datum is mean sea level

Clastic dike

Area of landslide debris
Derived from Greenhorn Formation. Triangles point toward area

Base by U.S. Geological Survey, 1950

APPROXIMATE MEAN DECLINATION, 1964
TRUE NORTH
MAGNETIC NORTH
13¾°

Geology by J. D. Ryan, R. Roadifer, and D. Lamb, 1953 and 1954

GEOLOGIC AND STRUCTURE-CONTOUR MAP OF THE EDGEMONT QUADRANGLE FALL RIVER COUNTY, SOUTH DAKOTA

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G64096