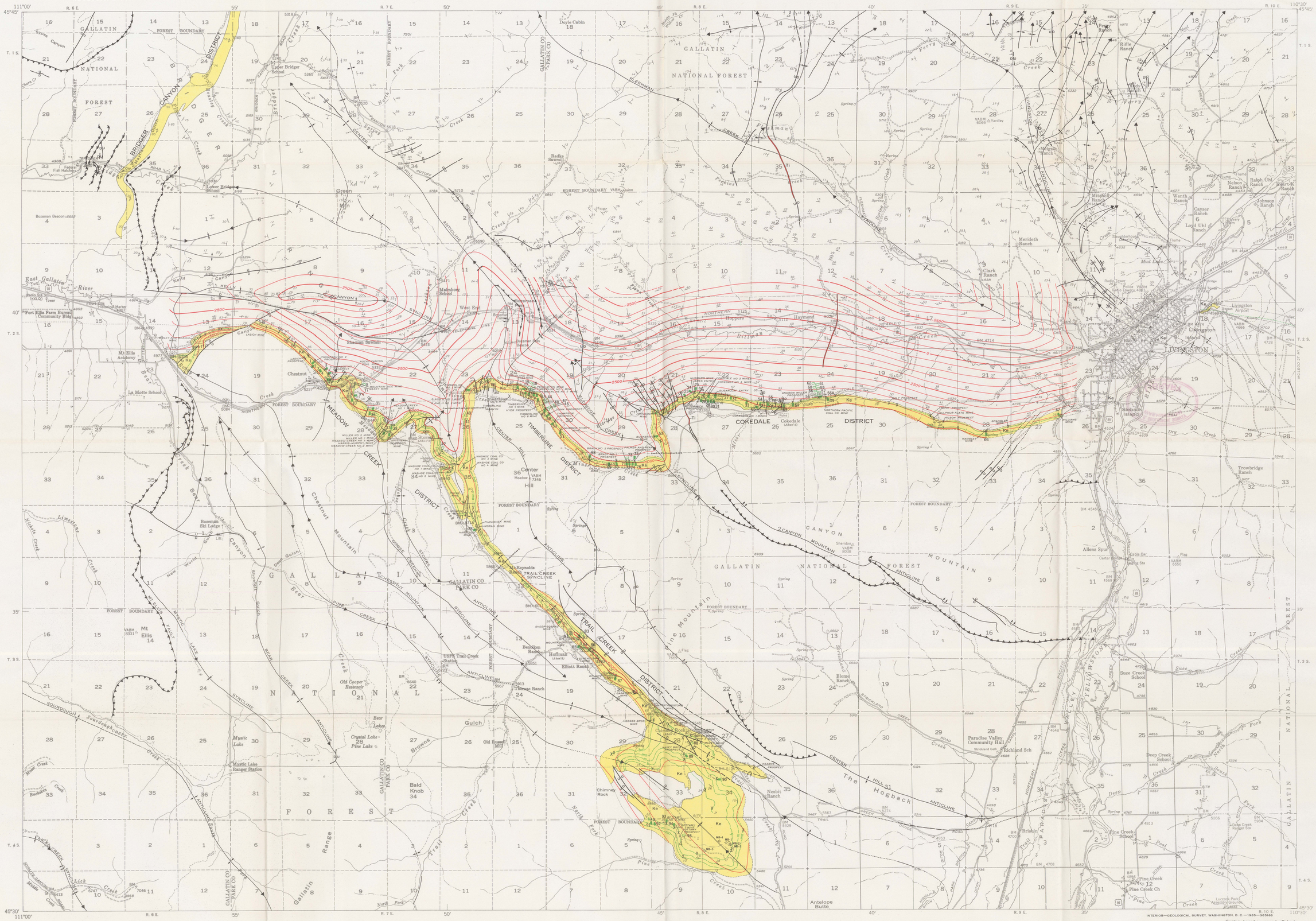

EXPLANATION

Diabase and basalt dikes and sills (TERTIARY)

Eagle Sandstone (Upper Cretaceous; CRETACEOUS)
c, Cokedale coal bed
s, Storrs No. 3 bed
b, Bottomy coal bed
m, Middle coal bed
ma, Maxey coal bed
bd, Big Dirty coal bed
Where individual coal beds could not be identified;
u, upper coal bed
l, lower coal bed

Contact
Dashed where approximately located; dotted where concealed

Outcrop of coal bed or coal zone containing more than 14 inches of coal
Dashed where approximately located; dotted where concealed. Thickness of coal measured at solid pointer; thickness measured underground at hollow pointer. Coal sections numbered east to west and north to south

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

Thrust fault
Sawteeth on side of upper plate. Dashed where approximately located; dotted where concealed

Overturned thrust fault
Sawteeth in direction of dip; bar on side of tectonically higher plate. Dashed where approximately located; dotted where concealed

Anticline
Showing crestline and plunge of fold. Dashed where approximately located; dotted where concealed

Overturned anticline
Showing trace of axial plane, direction of dip of limbs, and plunge of fold. Dashed where approximately located; dotted where concealed

Syncline
Showing troughline and plunge of fold. Dashed where approximately located; dotted where concealed

Overturned syncline
Showing trace of axial plane; direction of dip of limbs, and plunge of fold. Dashed where approximately located; dotted where concealed

Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

Mine or prospect entry

Shallow drill hole

Boundary between coal districts

Structure contours
Drawn on base of Eagle Sandstone. Dashed where approximately located. Datum is mean sea level

INDEX TO TOPOGRAPHIC QUADRANGLES

Base from U.S. Geological Survey 1:24 000 topographic quadrangles; Fort Ellis, Mystic Lake, Maxey Ridge, Bozeman Pass, Chimney Rock, Brisbin, and Livingston, 1951

SCALE 1:48 000

Geology based on maps by Roberts (1964, a, b, c, d, e, f, g, and h)

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G65166

MAP OF THE LIVINGSTON COAL FIELD, GALLATIN AND PARK COUNTIES, MONTANA, SHOWING LOCATION OF COAL BEDS, MINES, AND PROSPECTS IN THE EAGLE SANDSTONE