

THE GEOLOGICAL SURVEY OF WYOMING

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OPEN FILE REPORT 87-1M

PRELIMINARY MAP OF KNOWN SURFICIAL STRUCTURAL
FEATURES FOR THE OGDEN 1° x 2° QUADRANGLE

compiled by

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Laramie, Wyoming
1987

This report has not been reviewed for conformity with the editorial standards of the Geological Survey of Wyoming.

This listing of sources of information and index map were prepared to accompany the preliminary map of known surficial structural features for the Ogden 1°x 2° Quadrangle.

Sources of geologic data

General

(These references are the sources of geologic data where more detailed, specific maps were not available).

Blackstone, D.L., Jr., and VerPloeg, A.J., 1981, Tectonic map of the overthrust belt, western Wyoming, southeastern Idaho, and northeastern Utah: Geological Survey of Wyoming Report of Investigations 21, plate 1, scale 1:316,800.


Case, J.C., 1986, Earthquakes and related geologic hazards in Wyoming: Geological Survey of Wyoming Public Information Circular 26, 22 p., sheet 1, scale 1:1,000,000.


Love, J.D., and Christiansen, A.C., 1985, Geologic map of Wyoming, U.S. Geological Survey map, scale 1:500,000.


Specific


1. Dover, J., and M'Gonigle, J., 1984: U.S. Geological Survey unpublished mapping, Evanston 30x60-minute Quadrangle, scale 1:100,000.
2. Gibbons, A.B., and Dickey, D.D., 1983, Quaternary faults in Lincoln and Uinta Counties, Wyoming, and Rich County, Utah: U.S. Geological Survey Open File Report 83-288, scale 1:100,000.
3. M'Gonigle, J., and Dover, J., 1982, U.S. Geological Survey unpublished mapping, Kemmerer 30x60-minute Quadrangle, scale 1:100,000.
4. Rubey, W.W., Oriel, S.S., and Tracey, J.I., Jr., 1975, Geology of the Sage and Kemmerer 15-minute Quadrangles, Lincoln County, Wyoming: U.S. Geological Survey Professional Paper 855, plate 1, scale 1:62,500.

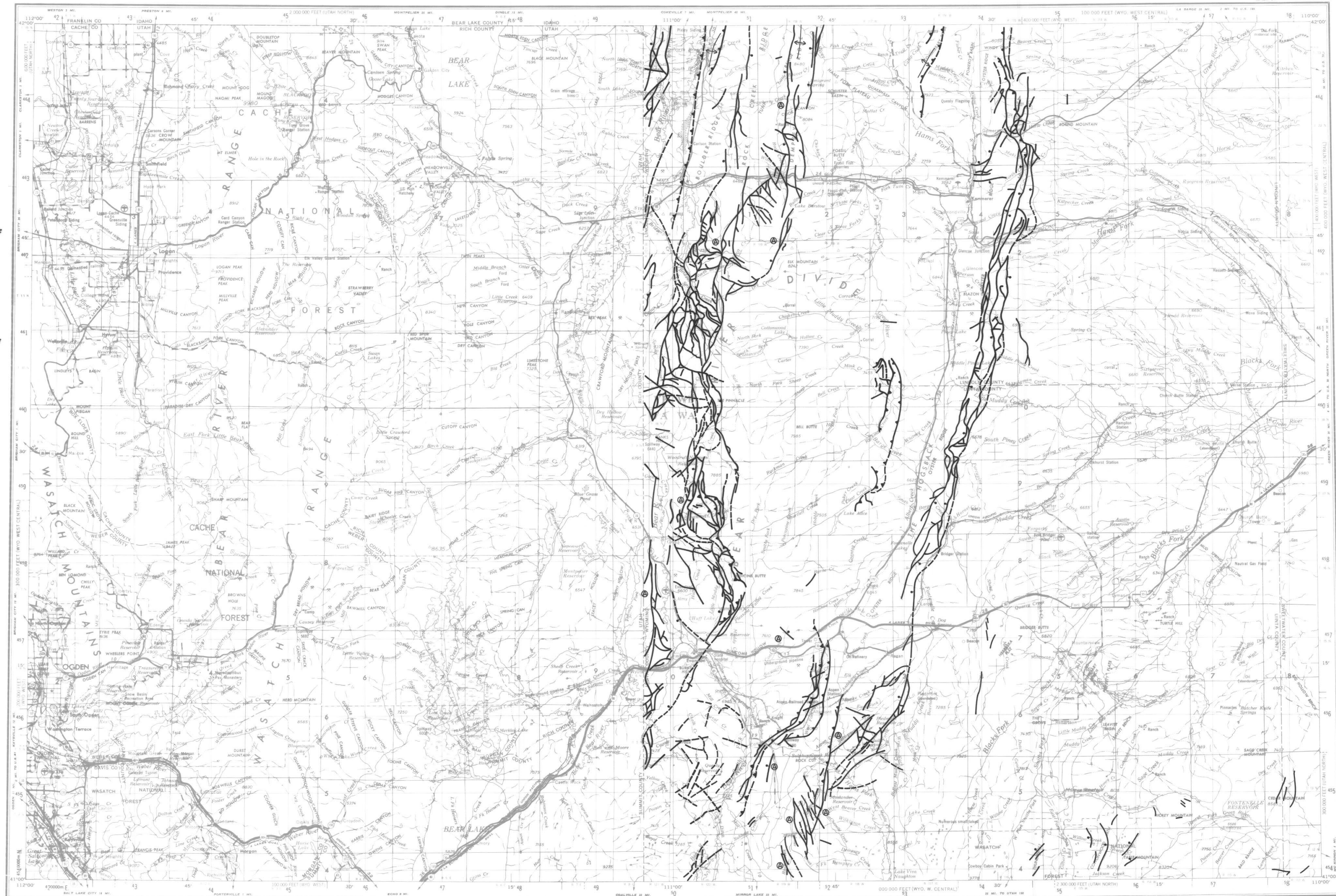
EXPLANATION

 **Anticline**—arrows perpendicular to axis show symmetry, i.e., short arrow indicates flank with steeper dip. Axis is dashed where covered or approximately located. Arrow on axis indicates direction of plunge.

 **Normal Faults**—ball on downthrown block (dashed where covered or approximately located). Queried where existence is questionable.

 **Thrust/Reverse Faults**—teeth on upthrown block (dashed where covered or approximately located). Queried where existence is questionable.

 **Possible Active Fault**—as identified by Case (1986).



THIS MAP WAS COMPILED FROM THE MOST RECENT AVAILABLE INFORMATION AND IS ONLY AS RELIABLE AND COMPLETE AS THE SOURCES CONSULTED. SOME SMALLER FEATURES WERE OMITTED SINCE THEY COULD NOT BE PLOTTED AT THIS SCALE. SOURCES CONSULTED ARE LISTED IN ACCOMPANYING REFERENCE LIST.

5 0 5 10 15 20 25 30 Statute Miles
5 0 5 10 15 20 25 30 Kilometers
CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

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COMPILED BY PHILLIP L. GREER, JON K. KING, AND ALAN J. VER PLOEG

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BASE MAP FROM THE U.S. GEOLOGICAL SURVEY, 1966

THIS MAP HAS NOT BEEN REVIEWED FOR CONFORMITY WITH THE EDITORIAL STANDARDS OF THE GEOLOGICAL SURVEY OF WYOMING.