

THE GEOLOGICAL SURVEY OF WYOMING

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

compiled by

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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 Rock Springs 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).

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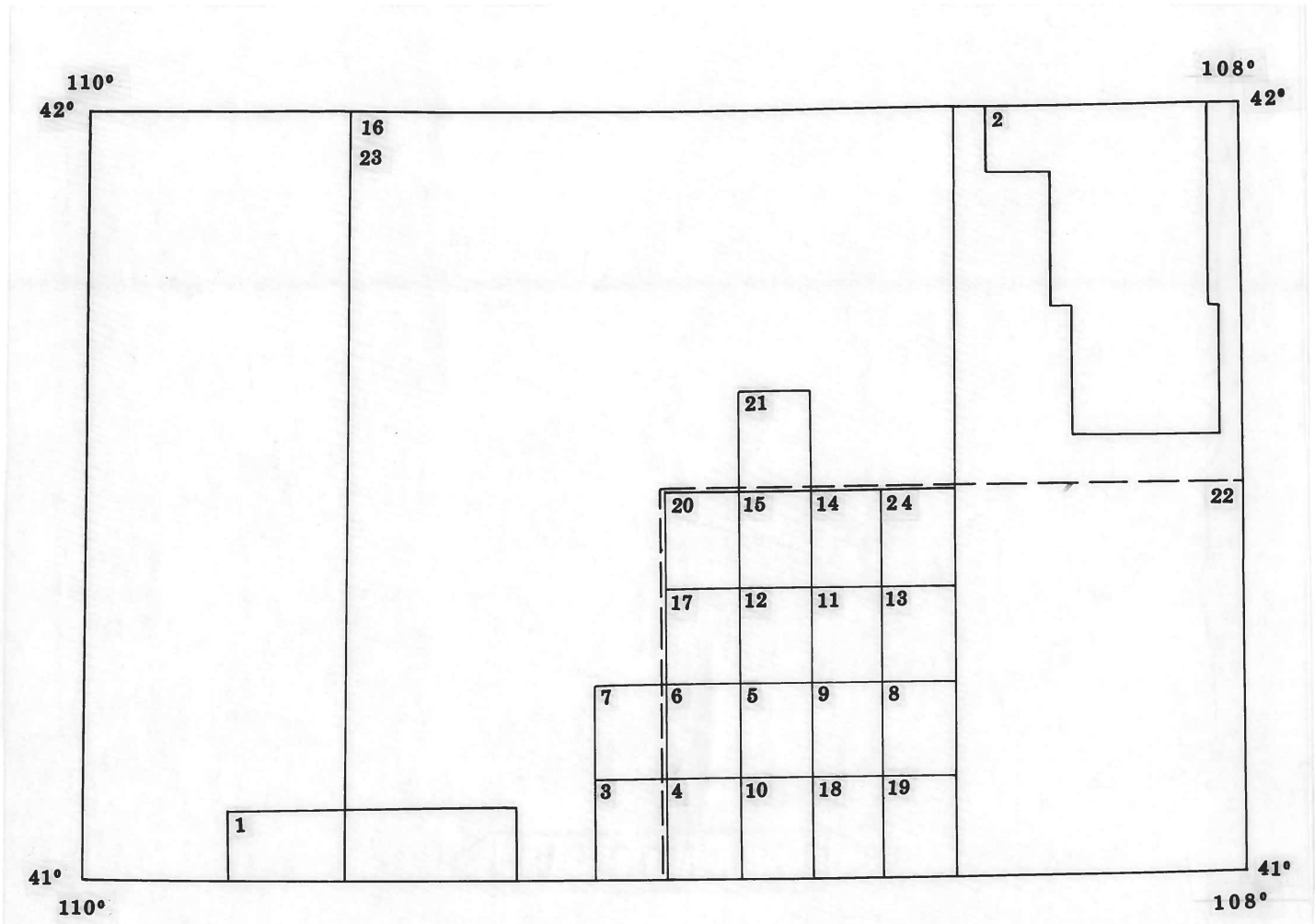
Love, J.D., and Christiansen, A.C., 1985, Geologic map of Wyoming: U.S. Geological Survey, scale 1:500,000.

#### Specific

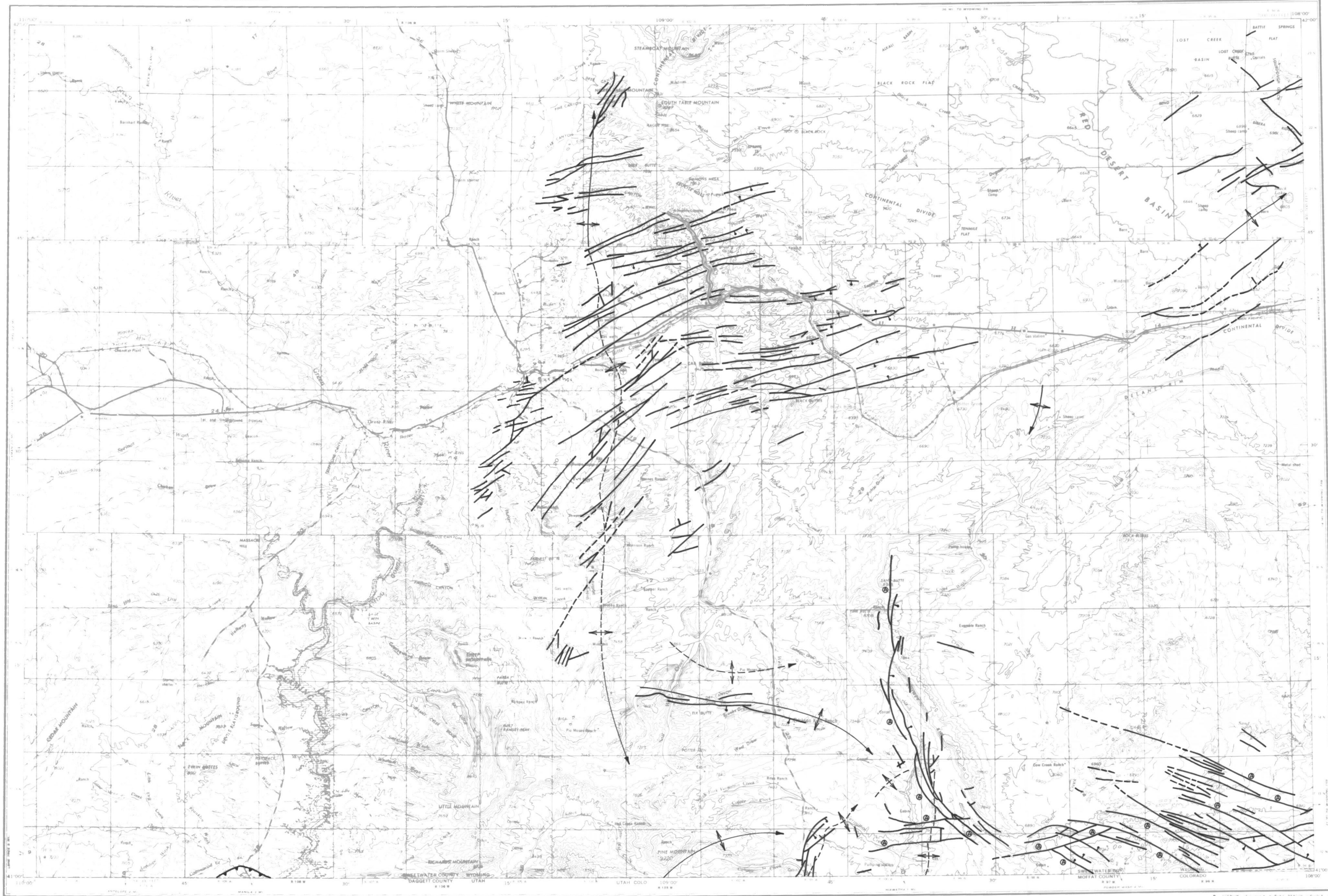
1. Andersen, G.G., 1955, Tertiary deformational history of a portion of the north flank of the Uinta Mountains in the vicinity of Manila, Utah: Wyoming Geological Association 10th Annual Field Conference Guidebook, p. 130, scale approximately 1:100,000.
2. Pipiringos, G.N., 1961 [1962], Uranium-bearing coal in the central part of the Great Divide Basin [Wyoming]: U.S. Geological Survey Bulletin 1099-A, 104 p.; plate 1, scale 1:62,500.
3. Roehler, H.W., 1972, Geologic map of the Red Creek Ranch Quadrangle, Wyoming, Utah, and Colorado: U.S. Geological Survey Geologic Quadrangle Map GQ-1001, scale 1:24,000.
4. Roehler, H.W., 1972, Geologic map of the Four J Rim Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1002, scale 1:24,000.
5. Roehler, H.W., 1973, Geologic map of the Erickson-Kent Ranch Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1056, scale 1:24,000.
6. Roehler, H.W., 1973, Geologic map of the Potter Mountain Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1082, scale 1:24,000.
7. Roehler, H.W., 1973, Geologic map of the Titsworth Gap Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1083, scale 1:24,000.
8. Roehler, H.W., 1973, Geologic map of the Chicken Creek East Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1128, scale 1:24,000.

9. Roehler, H.W., 1974, Geologic map of the Chicken Creek West Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1139, scale 1:24,000.
10. Roehler, H.W., 1974, Geologic map of the Scrivner Butte Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1166, scale 1:24,000.
11. Roehler, H.W., 1974, Geologic map of the Pine Butte Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1199, scale 1:24,000.
12. Roehler, H.W., 1974, Geologic map of the Burley Draw Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1200, scale 1:24,000.
13. Roehler, H.W., 1975, Geologic map of the Sand Butte Rim SE Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1231, scale 1:24,000.
14. Roehler, H.W., 1977, Geologic map of the Sand Butte Rim NW Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1362, scale 1:24,000.
15. Roehler, H.W., 1977, Geologic map of the Cooper Ridge NE Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1363, scale 1:24,000.
16. Roehler, H.W., 1977, Geologic map of the Rock Springs uplift and adjacent areas, Sweetwater County, Wyoming: U.S. Geological Survey Open File Report 77-242, scale 1:125,000.
17. Roehler, H.W., 1978, Geologic map of the Mud Springs Ranch Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1438, scale 1:24,000.
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20. Roehler, H.W., 1979, Geologic map of the Camel Rock Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1521, scale 1:24,000.
21. Roehler, H.W., 1979, Geologic map of the Point of Rocks SE Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1528, scale 1:24,000.
22. Roehler, H.W., 1985, Geologic map of the Kinney Rim 30x60-minute Quadrangle, Wyoming and Colorado: U.S. Geological Survey Miscellaneous Investigations Map I-1615, scale 1:100,000.

23. Roehler, H.W., and Robinson, L., 1978, Structure contours on the top of the Ericson Sandstone, Rock Springs uplift, Sweetwater County, Wyoming: U.S. Geological Survey Open File Report 78-396, scale 1:125,000.
24. Roehler, H.W., and Valcarce, Jay, 1978, Geologic map of the Antelope Flats Quadrangle, Sweetwater County, Wyoming: U.S. Geological Survey Geologic Quadrangle Map GQ-1437, scale 1:24,000.



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**EXPLANATION**

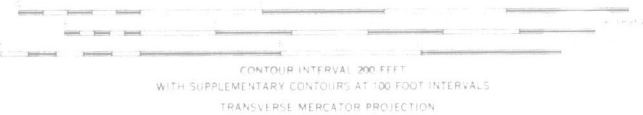
**Anticline**- arrows perpendicular to axis show symmetry, i.e., short arrow indicates flank with steeper dip. Axis is dashed where covered or approximately located. Arrow on axis indicates direction of plunge.

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

**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.



BASE MAP FROM THE U.S. GEOLOGICAL SURVEY, 1962.  
THIS MAP HAS NOT BEEN REVIEWED FOR CONFORMITY WITH THE EDITORIAL STANDARDS OF THE GEOLOGICAL SURVEY OF WYOMING.

**PRELIMINARY MAP OF KNOWN SURFICIAL STRUCTURAL FEATURES FOR THE ROCK SPRINGS 1° x 2° QUADRANGLE**

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