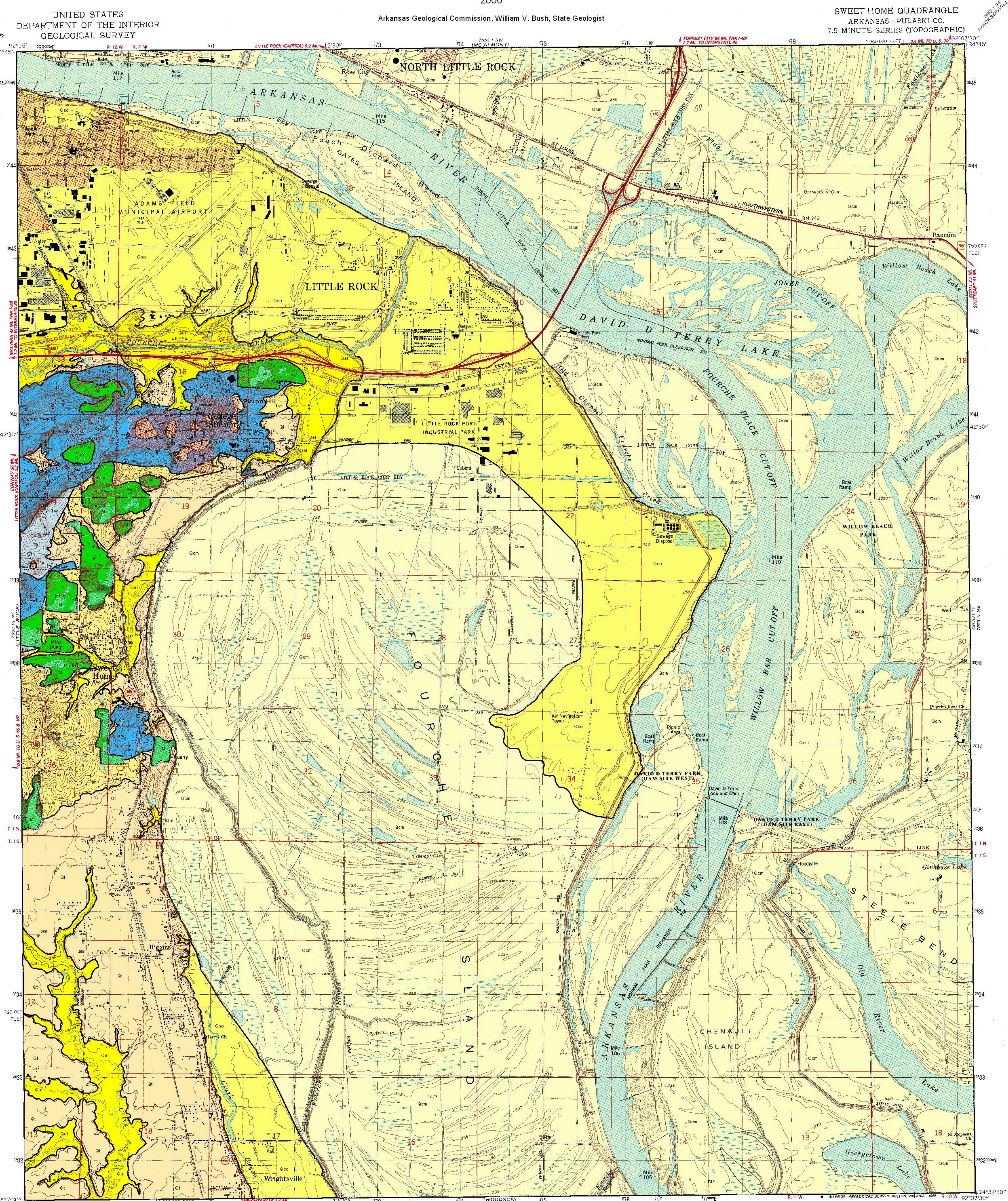


DIGITAL GEOLOGIC MAP OF THE SWEET HOME QUADRANGLE, PULASKI COUNTY, ARKANSAS

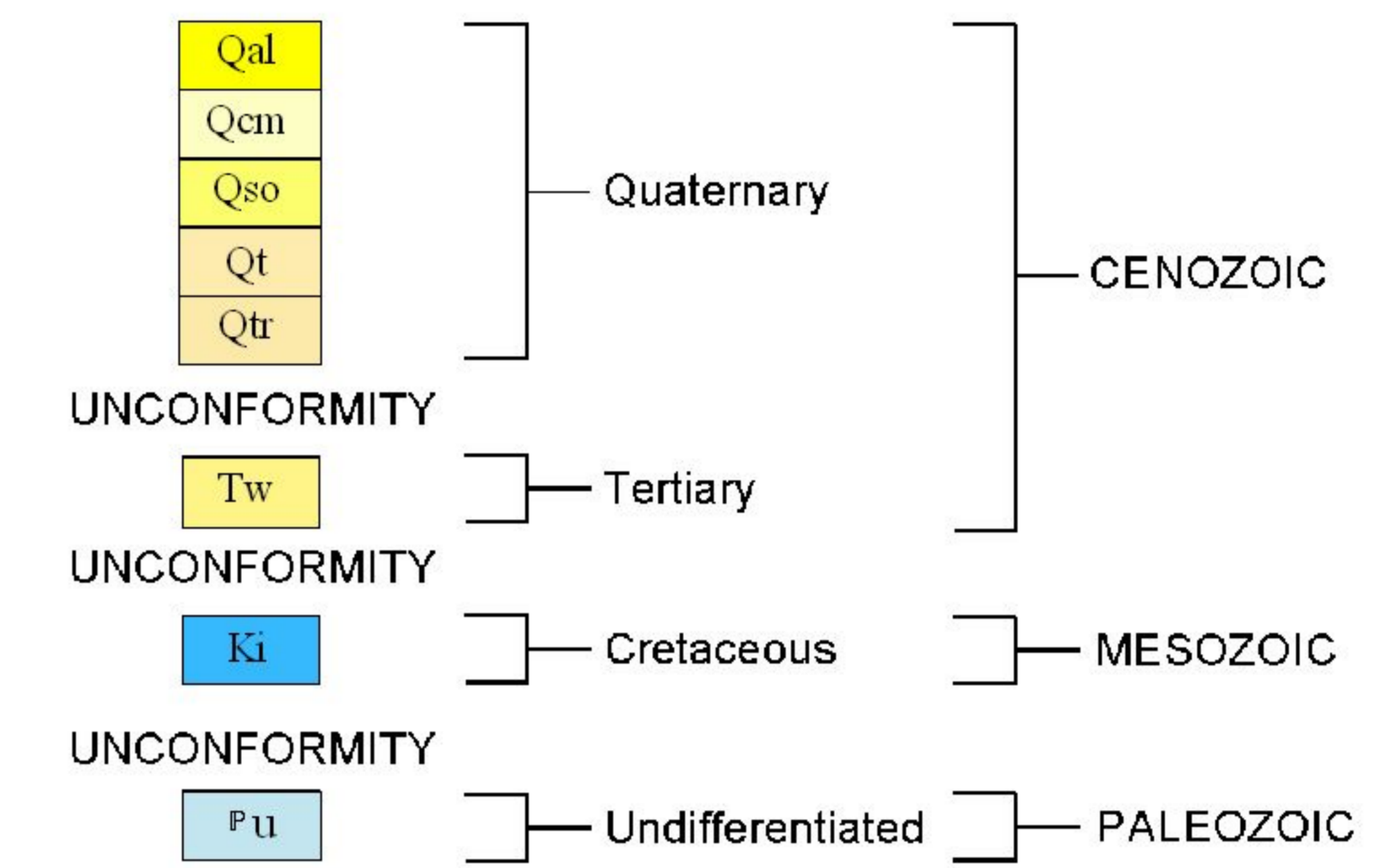
Geology by Boyd R. Haley, Charles G. Stone, and William V. Bush
1985
Digital compilation by William D. Hanson and Jennifer R. Perkins
2000

Arkansas Geological Commission, William V. Bush, State Geologist

SWEET HOME QUADRANGLE
ARKANSAS-PULASKI CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qal** Alluvium (Quaternary) - Alluvium deposits along local streams, consists of clay, silt, and sand, with gravel composed of siltstone and sandstone at the base.
- Qcm** Alluvium (Quaternary) - Alluvium deposits in channel and abandoned meanders of the Arkansas River, predominately sand with minor amounts of clay, silt, and gravel composed of sandstone and chert.
- Qso** Alluvium (Quaternary) - Alluvium deposits formed by overbank flow and backswamp deposits of the Arkansas River, predominately clay with minor amounts of silt and sand.
- Qt** Terrace Deposits (Quaternary) - Terrace deposits consist of clay, silt, and sand, gravel composed of siltstone, sandstone and minor amounts of nepheline syenite, and chert reworked from older river terrace deposits.
- Qtr** Terrace Deposits (Quaternary) - River terrace deposits, consist of clay, silt, sand, and gravel composed of siltstone, sandstone, chert, and some quartz. Many of the chert pebbles contain fossils of Mississippian or Permian age.
- Tw** Wilcox Group (Tertiary) - Consists of beds of sand, clay, lignite, and detrital bauxite, and a conglomerate composed of clay, shale, siltstone, sandstone, and weathered nepheline syenite at the base.
- Ki** Igneous Rocks (Cretaceous) - Light-to-bluish-gray syenite and light-to-dark-gray nepheline syenite, and minor alkalic-lamprophyric dikes and sills.
- Pu** Paleozoic Rocks, undifferentiated (Paleozoic) - Consist of dark-gray shale and slate, and medium-to-dark-gray quartzite.

SYMBOLS

- Quarry
- Contact
- Mined Areas

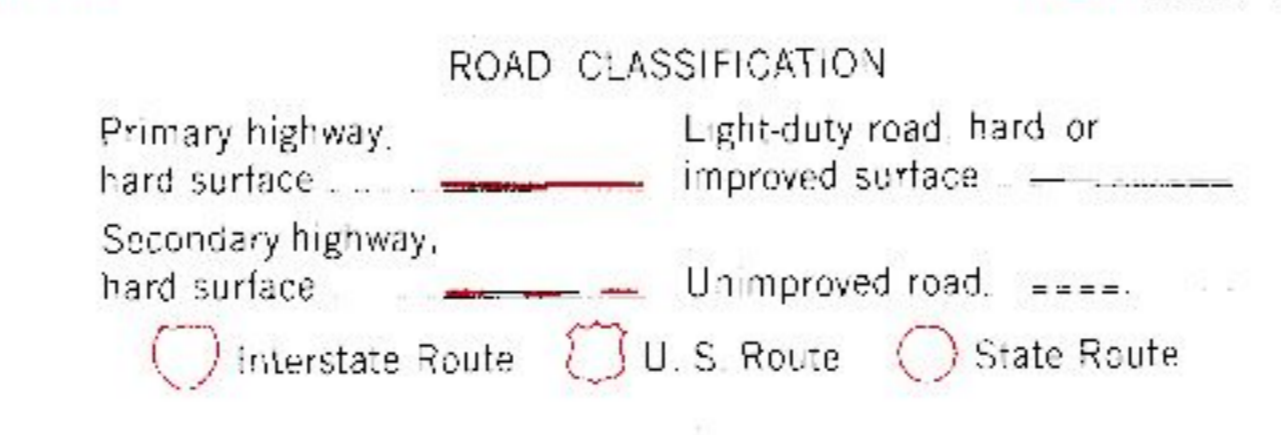
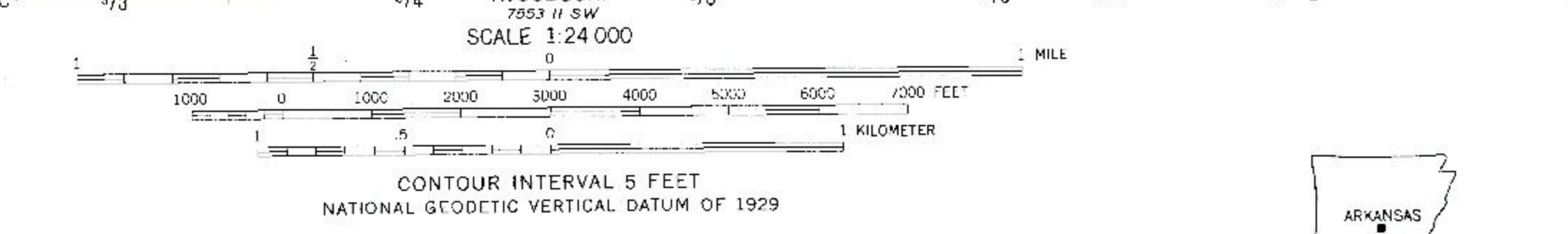
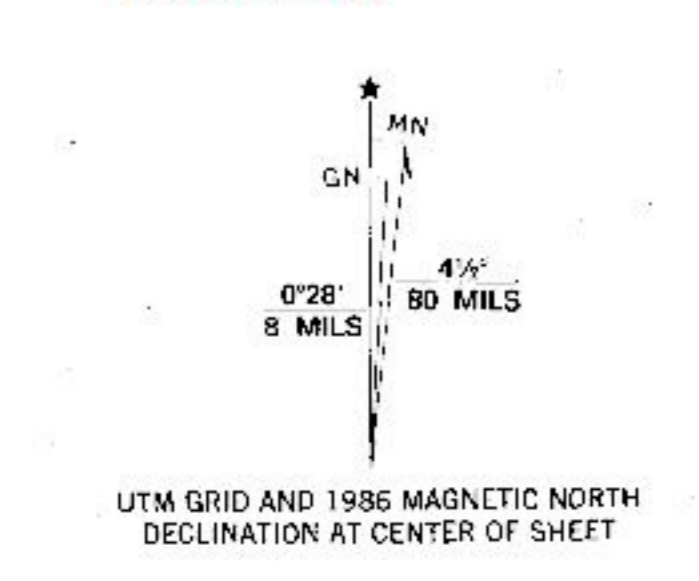
Geology modified in 1985 by B. R. Haley, C. G. Stone, and W. V. Bush from the Arkansas Geological Commission open-file reports and by B. R. Haley and C. G. Stone, 1972 and 1976; C. G. Stone, 1964; and from M. Gordon, Jr., and others, 1958, *Geology of the Arkansas Bauxite Region*; U. S. Geological Survey Professional Paper 299.
Geologic study partially funded by the U. S. Geological Survey Grant No. 14-08-0001-6-160, "Arkansas Environmental Geologic Study of the Little Rock-North Little Rock Metropolitan Area."

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Projection and 10,000-foot grid ticks: Arkansas coordinate system, south zone
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 8 meters south and 14 meters east as shown by dashed corner ticks.
There may be private inholdings within the boundaries of the National or State reservations shown on this map.
Red tint indicates areas in which only landmark buildings are shown.



SWEET HOME, ARK.
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1986
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