

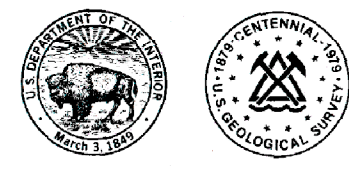
GEOLOGIC MAP OF THE HORSESHOE MOUNTAIN QUADRANGLE, SCOTT COUNTY, ARKANSAS

Geology by Boyd R. Haley and Charles G. Stone
1994

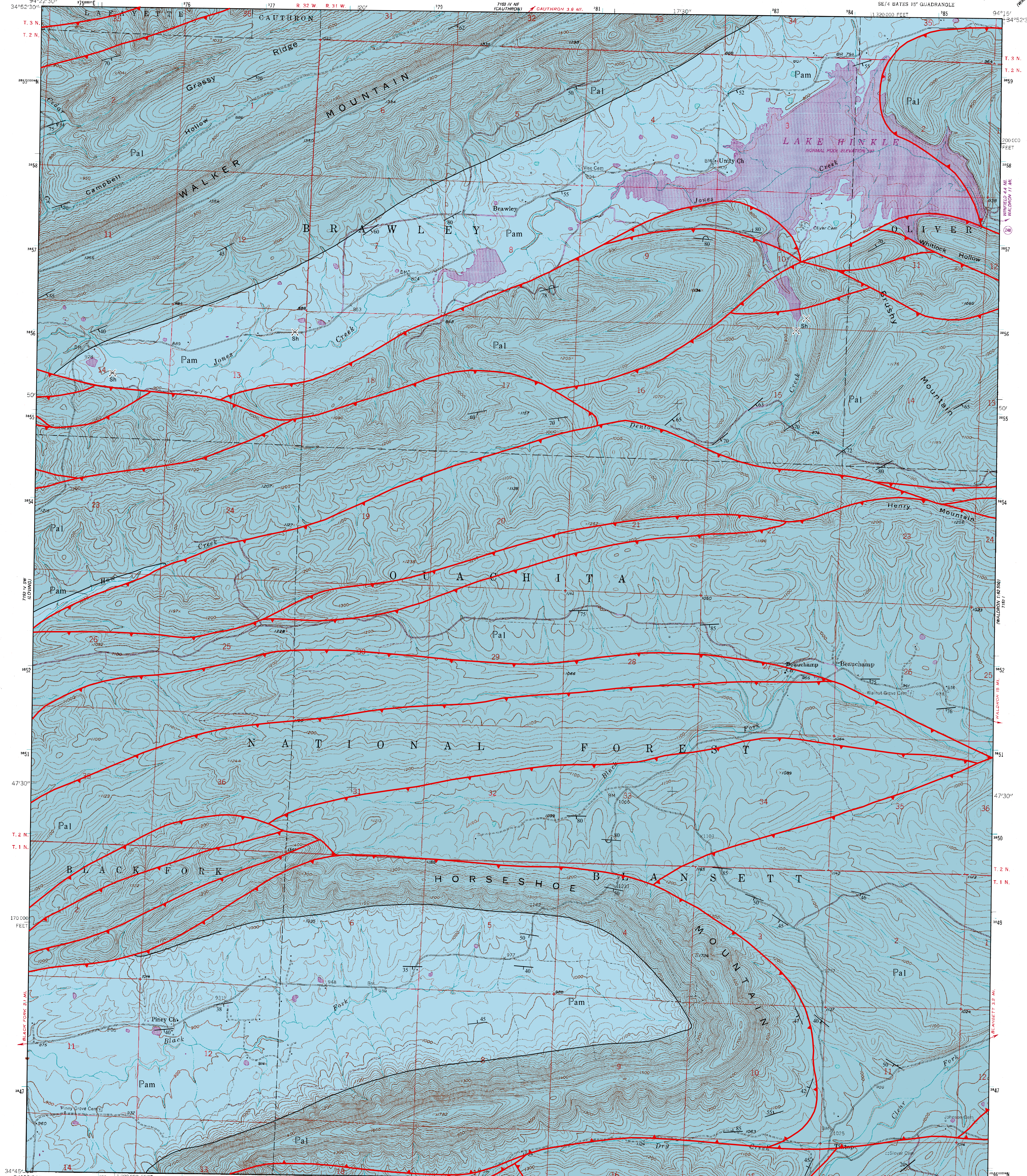
Edited by William D. Hanson
Digital Compilation by Brandy R. Rakes
2007

Arkansas Geological Survey, Bekki White, State Geologist

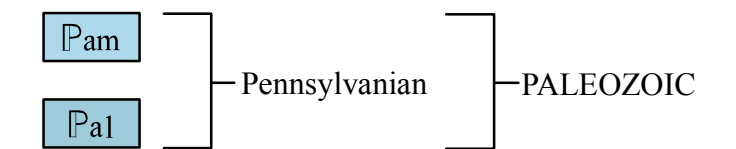
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



HORSESHOE MOUNTAIN QUADRANGLE
ARKANSAS—SCOTT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE 1/4 BATES 15' QUADRANGLE
SCALE 1:240,000 FEET



Correlation of Map Units



Description of Map Units

- Pam** Atoka Formation middle (Pennsylvanian) - The Formation consists of marine tan to gray silty sandstone and grayish-black shale. In the Arkansas Valley and frontal Ouachita Mountain provinces this formation is subdivided into the upper, middle, and lower members.
- Pal** Atoka Formation lower (Pennsylvanian) - The lower Atoka is a sequence of marine, mostly tan to gray silty sandstones and grayish-black shales. Some rare calcareous beds and siliceous shales are known. The Atoka has the largest areal extent of any of the Paleozoic formations in the state.

Symbols

- Contact
- Thrust Fault
- Strike and Dip
- Overturned Strike and Dip
- Pit
- Abandoned Pit

Mineral Commodities

- Sh Shale

References

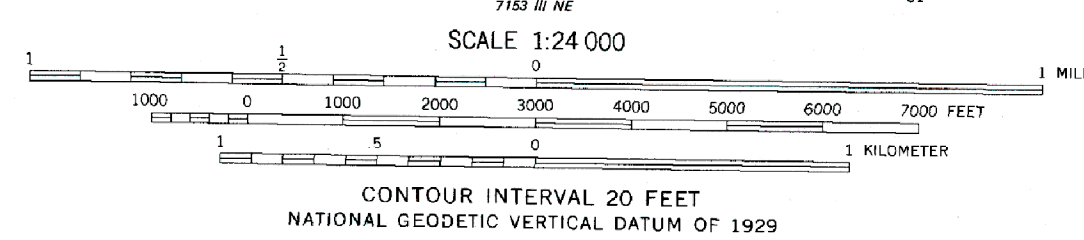
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Control by USGS and USC&GS
Topography from aerial photographs by multiple methods
Aerial photographs taken 1955. Field check 1958
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arkansas coordinate system, north zone
To place on the predicted North American Datum 1983
move the projection lines 7 meters south and
19 meters east as shown by dashed corner ticks
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
There may be private inholdings within the boundaries of
the National or State reservations shown on this map
Unchecked elevations are shown in brown
Revisions shown in purple compiled from aerial photographs taken
1977. Map edited 1979. This information not field checked



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ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Interstate Route
U.S. Route
State Route
Light-duty road, hard or improved surface
Unimproved road
U.S. Route
State Route
HORSESHOE MOUNTAIN, ARK.
SE 1/4 BATES 15' QUADRANGLE
N3445-W9415/7.5
1958
PHOTOREVISED 1979
DMA 7153 IV SE-SERIES Y384

