



EXPLANATION	
SEDIMENTARY ROCKS	
Qal	Alluvium (Gravel and silt in valley bottoms; partly represented in Ouachita Mountain region)
Te	Terrace deposits (Gravel and loam on stream terraces; areas in Ouachita Mountain region are small and are not represented on map)
Tg	Tertiary (?) gravel (Fine and coarse gravel on Athens Plateau. It rests upon the Stanley shale)
Kbx	Brownstown marl (Blue and gray calcareous clay)
Kto	Tokio formation (Gravel, sand, and clay)
Kw	Woodbine formation (Gravel, clay, and water-laid volcanic tuff)
UNCONFORMITY	
Tr	Trinity formation, with De Queen limestone member, Kco, Ultima Thule gravel lenti, Ku, Dierks limestone lenti, Kls, and Pike gravel member, Kp (Gravel, gray sand, variegated clay, and fossiliferous limestone)
UNCONFORMITY	
Ca	Atoka formation (Gray sandstone and black shale)
Cj	Jackfork sandstone (Massive gray sandstone)
UNCONFORMITY	
St	Stanley shale, with Hatton tuff lenti (Olive-green and black battle shale, greenish-gray sandstone, and tuff. Bed of tuff, St, above Hatton tuff, Ca, are only partly represented on map)
UNCONFORMITY	
Na	Arkansas novaculite (Upper part mostly thin-bedded dark novaculite and dark shale; lower part massive white novaculite)
Sm	Missouri Mountain slate (Red and green clay slate)
UNCONFORMITY (?)	
Sb	Blaylock sandstone (Gray sandstone and buff to dark shale)
UNCONFORMITY (?)	
Occ	Polk Creek shale (Black carbonaceous shale; in part siliceous)
Ch	Bigfork chert (Thin-bedded gray to black chert much siliceous; some black shale)
Ow	Womble shale (Black and green banded shale with lenses of black limestone near top. Base not traceable west of Womble)
Oby	Blakely sandstone (Gray sandstone and black and green shale; sandstone beds thin out at Womble; the shale west of Womble is not traceable and is mapped with the Womble and Mazarr shales)
Or	Mazarr shale (Black and green banded shale with thin lenses of limestone)
Og	Crystal Mountain sandstone (Coarse-grained massive gray and brown sandstone)
UNCONFORMITY	
Cs	Collier shale (Black-black soft crumpled shale and dark fine-grained limestone)
IGNEOUS ROCKS	
P	Peridotite (Exposed near Murfreesboro; includes three types: 1, intrusive peridotite; 2, volcanic breccia; 3, tuff and lava)
QUATERNARY	
Synclinal axis	
TERTIARY (?)	
CRETACEOUS	
ECONOMIC DATA	
x pm	Pyrite and marcasite prospect
x tr	Tripoli prospect
x q	Slate quarry and prospect
x m	Quartz crystal mine
x sm	Manganese mine and prospect
x as	Asphalt mine and prospect
x d	Diamond mine and prospect
x lz	Lead and zinc mine and prospect
x c	Copper prospect
x g	Gypsum prospect
x b	Railroad ballast quarry and prospect
x a	Antimony mine and prospect

Base from U. S. Geological Survey topographic maps of De Queen and Caddo Gap quadrangles

GEOLOGIC MAP OF DE QUEEN AND CADDO GAP QUADRANGLES, ARKANSAS AND OKLAHOMA

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