

# SLOPE MAP OF THE PINNACLE MOUNTAIN QUADRANGLE, ARKANSAS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

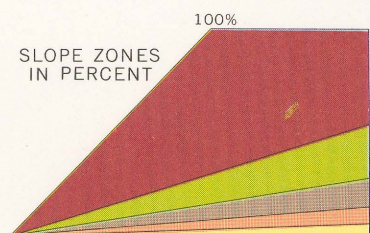
STATE OF ARKANSAS  
GEOLOGICAL COMMISSION  
LITTLE ROCK

FOLIO OF THE  
PINNACLE MOUNTAIN QUADRANGLE  
ARKANSAS—PULASKI AND FAULKNER CO.  
MAP



## COMPARISON OF SLOPE CATEGORIES

SLOPE PERCENTAGE	SLOPE ANGLE IN DEGREES	SLOPE RATIO
30%	17°	3 1/2:1
15%	8° 32'	6 1/2:1
8%	4° 35'	12 1/2:1
3%	1° 43'	33 1/2:1



## EXPLANATION

- OVER 30% Area of steep slopes suitable for high cost residential development along the top edge of slopes. All areas are subject to landsliding when disturbed by excavation. Landslides can occur in areas where the bedrock is shale or where the dip of the bedrock parallels the slope.
- 15-30% Area of moderately steep slopes generally suitable for residential development. Many areas are subject to landsliding when disturbed by excavation.
- 8-15% Area of moderate slopes suitable for residential development, commercial buildings, and with slope modification, large complexes of buildings. Some areas of steeper slopes may be subject to landsliding when disturbed by excavation.
- 3-8% Area of gentle slopes suitable for most types of urban development. Areas of slopes less than 5% are suitable for large industrial development with slope modification. Some areas along major streams are subject to flooding.
- 0-3% Area of flat to very gentle slopes suitable for all types of development. Some high level flat areas are poorly drained; most low level areas are poorly drained and flood-prone.

Base from U. S. Geological Survey 1961 Photorevision as of 1975 10,000-foot grid based on Arkansas coordinate system, south and north zones 1000-metre Universal Transverse Mercator grid ticks, zone 15  
Slope zones on this map are unedited. They were delineated by a photomechanical process which translates distance between adjacent contours into percentage of slope. Proximity of the same contour or absence of adjacent contours may have produced false slope information at small tops and depressions, on cuts and fills, along ridge crests, narrow drains and incised stream channels, along shores of open water, and at the edges of the map. This map should be used for general planning only.

APR 17 1975  
GEOLOGICAL SURVEY  
RESTON, VA.  
AR 1000  
QUADRANGLE LOCATION

SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
PRINCIPAL NUMBERED HIGHWAYS  
Interstate Route U. S. Route State Route

PINNACLE MOUNTAIN, ARK.

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