

SLOPE MAP OF THE SWEET HOME QUADRANGLE, ARKANSAS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

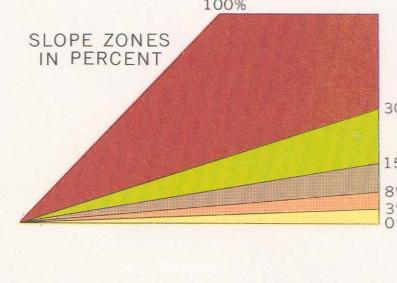
STATE OF ARKANSAS
GEOLOGICAL COMMISSION
LITTLE ROCK

FOLIO OF THE
SWEET HOME QUADRANGLE
ARKANSAS—PULASKI CO.
MAP



Base from U. S. Geological Survey 1961
Photorevision as of 1975
10,000-foot grid based on Arkansas coordinate
system, south zone
100' grid of 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 led to some loss of
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.

COMPARISON OF SLOPE CATEGORIES		
SLOP 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

Area of steep slopes usable 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.

Area of moderately steep slopes generally usable for residential development. Many areas are subject to landsliding when disturbed by excavation.

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.

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.

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.

SCALE 1:24 000
0 1000 2000 3000 4000 5000 6000 7000 FEET
1 1000 2000 3000 4000 5000 6000 7000 METER
1 MILE
1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

PRINCIPAL NUMBERED HIGHWAYS
Interstate Route U. S. Route State Route

UTM GRID AND 1975 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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SWEET HOME, ARK.

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