



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY . . . . . USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN . . . . . 1979-81  
FIELD CHECKED . . . . . 1982. MAP EDITED . . . . . 1984  
PROJECTION . . . . . LAMBERT CONFORMAL CONIC  
GRID . . . . . 1000-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 15  
10000-FOOT STATE GRID TICS . . . . . ARKANSAS NORTH ZONE  
AND MISSOURI CENTRAL ZONE  
UTM GRID DECLINATION . . . . . 098° EAST  
1984 MAGNETIC NORTH DECLINATION . . . . . 4°00' EAST  
VERTICAL DATUM . . . . . NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM . . . . . 1927 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(4 meters south and 13 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map

PROVISIONAL MAP  
Produced from original  
manuscript drawings. Information  
shown as of date of  
field check. 2

SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
MILES  
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000  
FEET  
KILOMETERS

CONTOUR INTERVAL 20 FEET  
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 FOOT  
OTHER ELEVATIONS SHOWN TO THE NEAREST FOOT  
To convert feet to meters multiply by 3.048  
To convert meters to feet multiply by 3.2808

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND THE ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204  
AND DIVISION OF GEOLOGY AND LAND SURVEY  
MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401

ROAD LEGEND

Improved Road . . . . .  
Unimproved Road . . . . .  
Trail . . . . .

Interstate Route U.S. Route State Route

VIOLA, ARK.-MO.  
PROVISIONAL EDITION 1984  
36091-D8-TF-024

QUADRANGLE LOCATION

1	2	3	Caulfield
			Moody
			Lantern
4	5	6	Capp
			Salem Knob
			Elizabeth
6	7	8	Byron
			Salem

ADJOINING 7.5' QUADRANGLE NAMES