

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ZALMA QUADRANGLE  
MISSOURI-BOLLINGER CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

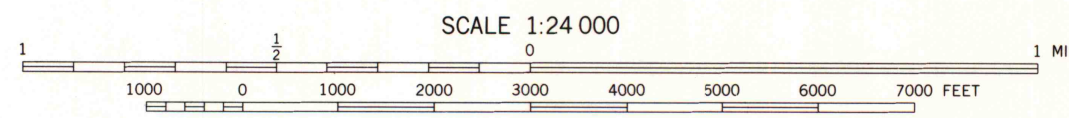
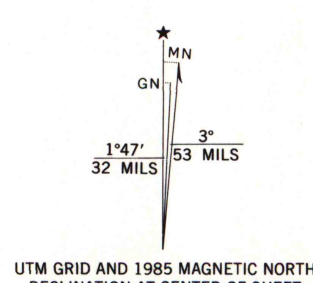


Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial  
photographs taken 1962. Field checked 1963.  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Missouri coordinate system, east zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 15, shown in blue

Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked  
To place on the predicted North American Datum 1983,  
move the projection lines 3 meters south and  
8 meters east as shown by dashed corner ticks  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map

Revisions shown in purple compiled from aerial photographs taken 1982 and  
other sources. This information not field checked. Map edited 1985



CONTOUR INTERVAL 20 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND DIVISION OF GEOLOGY AND LAND SURVEY  
MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION  
Medium-duty ——— Light-duty ———  
Unimproved dirt ———  
State Route

A. H. ROBINSON  
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1963  
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