



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY: USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1983  
FIELD CHECKED: 1985  
MAP EDITED: 1987  
PROJECTION: TRANSVERSE MERCATOR  
GRID: 100-METER UNIVERSAL TRANSVERSE MERCATOR  
GRID: 1000-FOOT STATE GRID TICS  
UTM GRID DECLINATION: 1983  
UTM MAGNETIC NORTH DECLINATION: 1987  
HORIZONTAL DATUM: 1987 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(2 meters south and 14 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map  
No distinction made between houses, barns, and other buildings

PROVISIONAL MAP  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
photography.

SCALE 1:24 000  
CONTOUR INTERVAL 20 FEET  
CONTROL ELEVATIONS SHOWN TO THE NEAREST 41 FOOT  
OTHER ELEVATIONS SHOWN TO THE NEAREST FOOT  
To convert feet to meters multiply by .3048  
To convert meters to feet multiply by 3.2808  
THIS MAP COMPLES 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

ROAD LEGEND  
Improved Road  
Unimproved Road  
Trail  
Interstate Route  
U.S. Route  
State Route  
QUADRANGLE LOCATION  
ADJOINING 7.5' QUADRANGLE NAMES  
MANES, MISSOURI  
PROVISIONAL EDITION 1987  
37092-D3-TT-024

JAN 22 1988  
RECEIVED  
MISSOURI DEPARTMENT OF NATURAL RESOURCES