



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY: ..... USGS AND NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1981  
FIELD CHECKED ..... 1982 MAP EDITED ..... 1985  
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 15  
UTM GRID DECLINATION ..... MISSOURI, WEST ZONE  
1000-FOOT STATE GRID TICKS ..... 1°00' WEST  
1985 MAGNETIC NORTH DECLINATION ..... 5°30' 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  
(3 meters north and 20 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. 1

SCALE 1:24 000  
1 000 0 1000 2000  
KILOMETERS  
1 000 0 1000 2000  
METERS  
1 000 0 1000 2000  
MILES  
1 000 0 1000 2000  
FEET  
CONTOUR INTERVAL 4 METERS  
CONTROL AND FIELD ESTABLISHED ELEVATIONS SHOWN TO THE NEAREST 0.1 METER  
OTHER ELEVATIONS SHOWN TO THE NEAREST METER  
To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048  
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

CONTOURS AND ELEVATIONS IN METERS  
ROAD LEGEND  
Improved Road .....  
Unimproved Road .....  
Trail .....  
Interstate Route U.S. Route State Route  
QUADRANGLE LOCATION  
1 2 3  
4 5  
6 7 8  
1 Hopkins  
2 Bedford SW  
3 Sheridan  
4 Picking  
5 Parnell East  
6 Marville East  
7 Raymond  
8 Alantus Grove  
ADJOINING 7.5 QUADRANGLE NAMES  
PARNELL WEST, MISSOURI  
PROVISIONAL EDITION 1985  
40094-D6-TM-024 058 19