



Prepared by the U. S. Army Topographic Command (KCS), Washington, D. C. Compiled in 1955 by photogrammetric methods from aerial photographs taken 1948. Map field checked 1956. Revised in 1974 by the U. S. Geological Survey from aerial photographs taken 1973.

Area covered by dashed light-blue pattern is subject to controlled inundation.

100,000-foot grids based on Kansas coordinate system, south and north zones and Missouri coordinate system, west zone.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

**LEGEND**

Figures in red denote approximate distances in miles between stars.

**POPULATED PLACES**

- Over 500,000
- 100,000 to 500,000
- 25,000 to 100,000
- 5,000 to 25,000
- 1,000 to 5,000
- Less than 1,000

**ROADS**

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State

**RAILROADS**

- Standard gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- Orchard
- Woods-brushwood
- Mine
- Landmarks: School, Church, Other
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

**BOUNDARIES**

- International
- State
- County
- Park or reservation

**Scale 1:250,000**

20 Statute Miles / 30 Kilometers / 15 Nautical Miles

**CONTOUR INTERVAL 100 FEET**  
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

**TRANSVERSE MERCATOR PROJECTION**

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 8° 14' 00" WEST TO 7° 10' 00" EAST FOR THE CENTER OF THE WEST EDGE TO THE CENTER OF THE EAST EDGE

**FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092**

**LOCATION DIAGRAM**

|          |           |                |                |
|----------|-----------|----------------|----------------|
| NEBRASKA | KANSAS    | MISSOURI       | ILLINOIS       |
| OKLAHOMA | ARKANSAS  | LOUISIANA      | MISSISSIPPI    |
| ALABAMA  | GEORGIA   | SOUTH CAROLINA | NORTH CAROLINA |
| VIRGINIA | TENNESSEE | KENTUCKY       | OHIO           |
| INDIANA  | MICHIGAN  | WISCONSIN      | MINNESOTA      |
| NEBRASKA | KANSAS    | MISSOURI       | ILLINOIS       |
| OKLAHOMA | ARKANSAS  | LOUISIANA      | MISSISSIPPI    |
| ALABAMA  | GEORGIA   | SOUTH CAROLINA | NORTH CAROLINA |
| VIRGINIA | TENNESSEE | KENTUCKY       | OHIO           |
| INDIANA  | MICHIGAN  | WISCONSIN      | MINNESOTA      |

**SECTIONIZED TOWNSHIP**

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**GRID ZONE DESIGNATION**

18S

**TO GIVE A STANDARD REFERENCE TO THIS SHEET IN METERS**

**SAMPLE POINT: HENSON**

**GRID COORDINATES:** TP UP VR 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

**TO GIVE A STANDARD REFERENCE TO THIS SHEET IN METERS**

**SAMPLE POINT: HENSON**

**GRID COORDINATES:** TP UN WN 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36