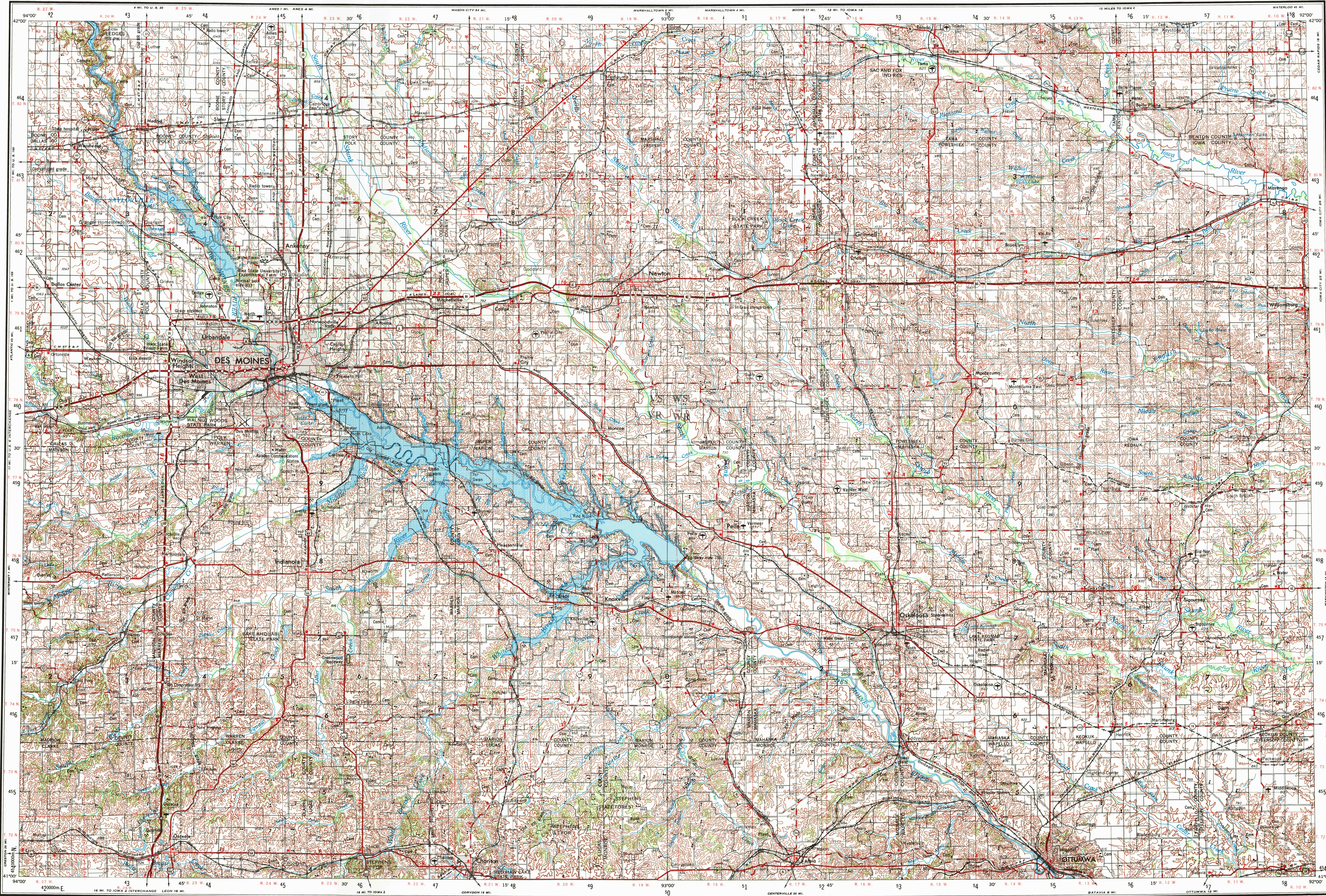




V502, EDITION 2

Prepared by the U.S. Army Topographic Command (AM), Washington, D.C. Compiled in 1953 by photogrammetric methods from aerial photographs taken 1949-50. Map field checked 1954. Revised in 1972 by the U.S. Geological Survey from aerial photographs taken 1971-72.

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

RAILROADS

Standard gauge
Narrow gauge
Landing area
Interplanetary
State
County
Park or reservation

BOUNDARIES

International
State
County
Park or reservation

Other symbols

Mine
Landmark: School, Church, Other
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

Scale: 1:250,000

0 5 10 15 20 Statute miles
0 5 10 15 20 Nautical miles
0 5 10 15 20 Kilometers

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

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

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 60°-100' WEST TO 10°-15° EAST FOR THE CENTER OF THE WEST EDGE TO 5°-10° WEST TO 10°-15° EAST FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

LOCATION DIAGRAM

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

SECTIONIZED TOWNSHIP

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

GRID ZONE DESIGNATION

15T

TO OBTAIN A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

SAMPLE POINT: LIGHTNING

1. Read letters identifying 100,000 meter square in which the point lies.
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or in the line itself.
3. Estimate tenths from grid line to point.
4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or in the line itself.
5. Estimate tenths from grid line to point.
6. Combine figures from steps 2, 3, 4, and 5 to obtain the full coordinate. Use ONLY the LARGER figures of the grid number, example: 4540000

SAMPLE REFERENCE

If reporting beyond 10' in any direction, prefix Grid Zone Designation, as: 15TWR16