



PRODUCED BY THE U. S. GEOLOGICAL SURVEY
 Base map prepared by Defense Mapping Agency by photogrammetric methods and from 1:25,000, 1:48,000, 1:50,000, and 1:62,500-scale maps dated 1911-1957. Field checked 1958. Revised by the U. S. Geological Survey from aerial photographs taken 1979 and other source data. Revised information not field checked. Map edited 1980.
 Area covered by dashed light-blue pattern is subject to controlled inundation.
 Area covered by light-blue hatching is to be submerged.
 Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 16, 100,000-foot grid ticks based on Illinois coordinate system, east and west zones, 1927 North American Datum. To place on the predicted North American Datum 1983, move the projection lines 7 meters east.
 Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

LEGEND
 Figures in red denote approximate distances in miles between stars

POPULATED PLACES	ROADS	RAILROADS	LANDMARKS
Over 500,000	Primary, all-weather, hard surface	Standard gauge	School, Church, Other
100,000 to 500,000	Secondary, all-weather, hard surface	Narrow gauge	Mine
25,000 to 100,000	Light-duty, all-weather, hard or improved surface	Single track	Spot elevation in feet
5,000 to 25,000	Fair or dry weather, hard or improved surface	Double or multiple	Marsh or swamp
1,000 to 5,000	Trail	Interchange	Seaplane anchorage
Less than 1,000	Interchange	Route markers: Interstate, U.S., State	Intermittent or dry stream
BOUNDARIES			Power line
International			
State			
County			
Park or reservation			

Scale 1:250,000
 0 5 10 15 20 25 30 Statute Miles
 0 5 10 15 20 25 30 Kilometers
 0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET
SUPPLEMENTARY CONTOUR AT 25 FOOT INTERVALS
 1980 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9° 40' WEST TO 10° 15' WEST FOR THE CENTER OF THE WEST EDGE TO 10° 15' WEST FOR THE CENTER OF THE EAST EDGE
 FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092

LOCATION DIAGRAM

WATERLOO NK 15-5	WISCONSIN NK 15-6	INDIANA NK 15-7	OHIO NK 15-8
WATERLOO NK 15-5	WISCONSIN NK 15-6	INDIANA NK 15-7	OHIO NK 15-8
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WATERLOO NK 15-5	WISCONSIN NK 15-6	INDIANA NK 15-7	OHIO NK 15-8

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: 16T
 TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS
 SAMPLE POINT: ELLSTON

1. Read letters showing 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 the 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 of the grid zone to point.
 7. If required beyond 10° in any direction, prefix Grid Zone Designation, as: 18TQK59719

