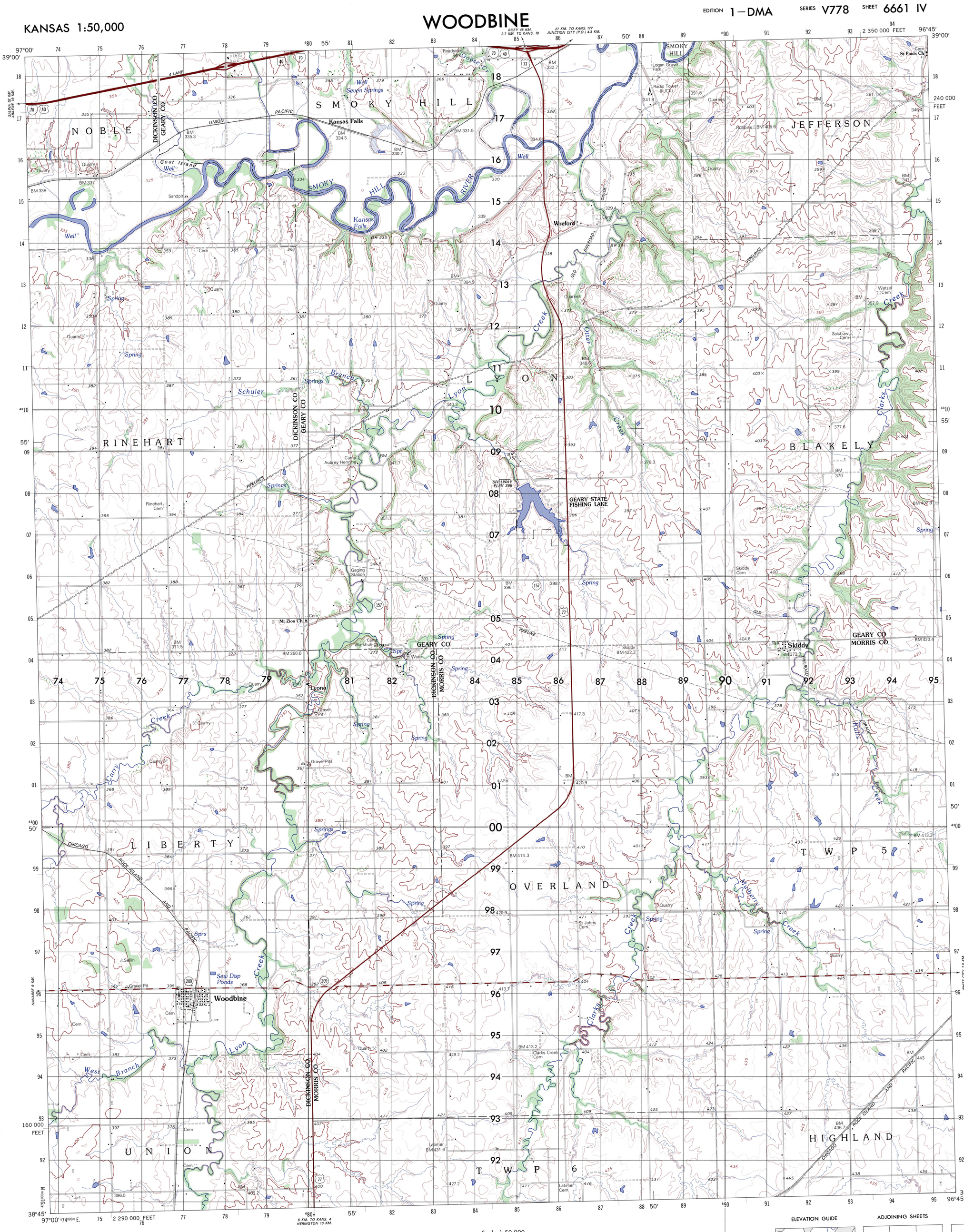
KANSAS 1:50,000

WOODBINE

EDITION 1—DMA SERIES V778 SHEET 6661 IV



CONVERSION GRAPH
(1 meter = 3.28 feet)
Meters 500 400 300
Feet 1600 1500 1400 1300 1200 1100 1000

Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.

LEGEND

MAP INFORMATION AS OF 1976 AND 1977

ON THIS MAP, A LANE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH. IN DEVELOPED AREAS, ONLY THROUGH ROADS ARE CLASSIFIED.

ROADS
- Divided highway with median strip
- 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
- Route markers: Interstate; Federal; State
- Bridge: With superstructure; Without superstructure

RAILROADS (Standard gauge 1.44m.-4′8½″)
- Single track
- Multiple track — 3 TRACKS
- Nonoperating
- Railroad station: Location known; Location unknown
- Car line
- Railroad bridge: With superstructure; Without superstructure
- Tunnel: Highway; Railroad

BOUNDARIES
- National, with monument
- State, territory
- County, parish
- Civil township, town
- Incorporated city, village, town
- Reservation: National; State; Military — MIL RES

- Power transmission line
- Buildings
- Structures
- Church; School
- Power substation
- Windmill; Watermill
- Well; Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, monumented — BM × 246
- Bench mark, non-monumented — × 301
- Spot elevations in meters — ×33
- Levees, rims, dikes
- Bluffs, cliffs
- Woodland
- Scattered trees; Scrub
- Vineyard; Orchard, plantation
- Intermittent lake; Dam: Earthen; Masonry
- Stream: Perennial; Intermittent
- Marsh, swamp
- Small rapids; Small falls — Falls, Rapids
- Large rapids; Large falls

Scale 1:50,000

Meters 1000 500 0 1 2 3 4 5 Kilometers
1 ½ 0 1 2 3 Statute Miles
1 ½ 0 1 2 3 Nautical Miles

ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOURS 5 METERS

SPHEROID ..... CLARKE 1866
GRID ..... 1,000 METER UTM ZONE 14 (BLACK NUMBERED LINES)
10,000 FOOT STATE GRID TICKS: KANSAS, NORTH ZONE
PROJECTION ..... UNIVERSAL TRANSVERSE MERCATOR
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM
CONTROL BY ..... USGS AND NOS/NOAA
PREPARED BY ..... U.S. GEOLOGICAL SURVEY

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SAMPLE 1,000 METER GRID SQUARE
46 45 12 13 Sample point

100,000 M. SQUARE IDENTIFICATION
PU / PT 43 00

GRID ZONE DESIGNATION
14S

100 METER REFERENCE
1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45 6

Example: 123456

WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION.
Example: PU123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 14SPU123456

GN — GRID NORTH — MAGNETIC NORTH — TRUE NORTH

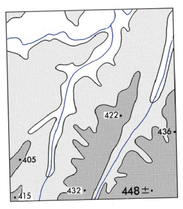
1975 G-M ANGLE 6½° (120 MILS)

GRID CONVERGENCE 1°20′ (24 MILS) FOR CENTER OF SHEET

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

ELEVATION GUIDE

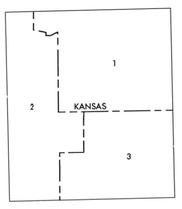


High
Medium
Low

ADJOINING SHEETS

6562 II	6662 III	6662 II
6561 I	6661 IV	6661 I
6561 II	6661 III	6661 II

BOUNDARIES



KANSAS
1. Geary Co.
2. Dickinson Co.
3. Morris Co.

THIS MAP IS RED-LIGHT READABLE

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