

EXPLANATION

- 1 URBAN OR BUILT-UP LAND**
- 11 Residential
  - 12 Commercial and Services
  - 13 Industrial
  - 14 Transportation, Communications and Utilities
  - 15 Industrial and Commercial Complexes
  - 16 Mixed Urban or Built-up Land
  - 17 Other Urban or Built-up Land

- 2 AGRICULTURAL LAND**
- 21 Cropland and Pasture
  - 22 Orchards, Groves, Vineyards, Nurseries, and Ornamental Horticultural Areas
  - 23 Confined Feeding Operations
  - 24 Other Agricultural Land

- 3 RANGELAND**
- 31 Herbaceous Rangeland
  - 32 Shrub and Brush Rangeland
  - 33 Mixed Rangeland

- 4 FOREST LAND**
- 41 Deciduous Forest Land
  - 42 Evergreen Forest Land
  - 43 Mixed Forest Land

- 5 WATER**
- 51 Streams and Canals
  - 52 Lakes
  - 53 Reservoirs
  - 54 Bays and Estuaries

- 6 WETLAND**
- 61 Forested Wetland
  - 62 Nonforested Wetland

- 7 BARREN LAND**
- 71 Dry Salt Flats
  - 72 Beaches
  - 73 Sandy Areas Other than Beaches
  - 74 Bare Exposed Rock
  - 75 Strip Mines, Quarries, and Gravel Pits
  - 76 Transitional Areas
  - 77 Mixed Barren Land

- 8 TUNDRA**
- 81 Shrub and Brush Tundra
  - 82 Herbaceous Tundra
  - 83 Bare Ground Tundra
  - 84 Wet Tundra
  - 85 Mixed Tundra

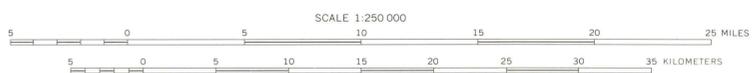
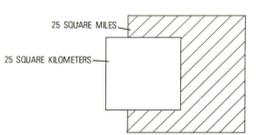
- 9 PERENNIAL SNOW OR ICE**
- 91 Perennial Snowfields
  - 92 Glaciers

For definitions of Level I and Level II categories see U.S. Geological Survey Professional Paper 964, *A Land Use and Land Cover Classification System for Use With Remote Sensor Data*, 1976, by Anderson, J. R., E. E. Hardy, J. T. Roach, and R. E. Wimmer. Minimum mapping units are 4 hectares (10 acres) for Level II categories 11-17, 23-24, 51-54, 75, and urban occurrences of 76; and 16 hectares (40 acres) for all other Level II categories.

The land use and land cover polygon and color boundaries for this map were computer-generated from a digital data base using the system described in U.S. Geological Survey Professional Paper 1059, *GIRAS: A Geographic Information Retrieval and Analysis System for Handling Land Use and Land Cover Data*, 1977, by Mitchell, W. B., Gupill, S. C., Anderson, K. E., Fegess, R. G., and Hallam, C. A.

Information on land use and land cover and associated maps available from: National Cartographic Information Center, U.S. Geological Survey, National Center, Reston, Virginia 22092.

Base compiled from U.S. Geological Survey 1:250,000-scale Topographic map, Kansas (NJ 15-1). Land use and land cover information compiled from source materials dated 1973. Compilation verified by field check. 10,000-meter Universal Transverse Mercator grid ticks, zone 15.



**LAND USE AND LAND COVER, KANSAS CITY, MISSOURI; KANSAS**  
1973

