

- 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 rocks
 - 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 J. R. Anderson, E. E. Hardy, J. T. Roach, and R. E. Witter.

The development of a geographic information system incorporating digital land use data is 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 W. B. Mitchell, S. C. Gupta, K. E. Anderson, R. G. Fegeas, and C. A. Hallam.

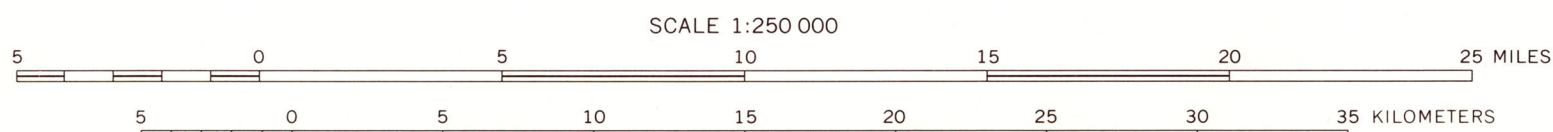
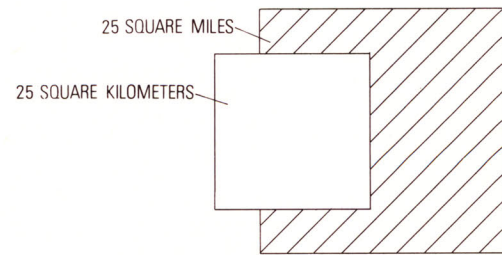
Land use and land cover information compiled from source materials dated 1973.

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.

For compilation specifications see U.S. Geological Survey Open-file report 77-555, *Specifications for land use and land cover and associated maps*, 1977, by G. L. Loelkes, Jr.

Compilation verified by field check.

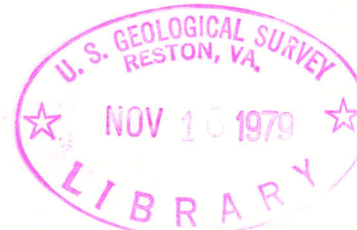
Base from U.S. Geological Survey, 1956-74



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

LOCATION DIAGRAM

NEBRASKA NK 1411 RECTOR	NEBRASKA NK 1412 RECTOR	NEBRASKA NK 1510 RECTOR	NEBRASKA NK 1511 RECTOR	ILLINOIS NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE
NEBRASKA NJ 1413 RECTOR	NEBRASKA NJ 1414 RECTOR	NEBRASKA NJ 1511 RECTOR	NEBRASKA NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE	ILLINOIS NJ 1514 MOORE
NEBRASKA NJ 1415 RECTOR	NEBRASKA NJ 1416 RECTOR	NEBRASKA NJ 1511 RECTOR	NEBRASKA NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE	ILLINOIS NJ 1514 MOORE
NEBRASKA NJ 1417 RECTOR	NEBRASKA NJ 1418 RECTOR	NEBRASKA NJ 1511 RECTOR	NEBRASKA NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE	ILLINOIS NJ 1514 MOORE
NEBRASKA NJ 1419 RECTOR	NEBRASKA NJ 1420 RECTOR	NEBRASKA NJ 1511 RECTOR	NEBRASKA NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE	ILLINOIS NJ 1514 MOORE
NEBRASKA NJ 1421 RECTOR	NEBRASKA NJ 1422 RECTOR	NEBRASKA NJ 1511 RECTOR	NEBRASKA NJ 1512 MOORE	ILLINOIS NJ 1513 MOORE	ILLINOIS NJ 1514 MOORE



M(200)58s
250
L437u
1979
copy 1



For sale by Branch of Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, CO 80225

