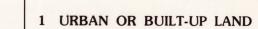
25 SQUARE MILES

25 SQUARE KILOMETERS

The North Carolina portion of this map was prepared in cooperation with the NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT

LAND USE SERIES

LAND USE AND LAND COVER, 1976-78 JOHNSON CITY, TENNESSEE; VIRGINIA; KENTUCKY; NORTH CAROLINA **EXPLANATION**



- 11 Residential12 Commercial and services
- Transportation, communications and utilities
- Industrial and commercial complexes Mixed urban or built-up land
- 17 Other urban or built-up land
- 2 AGRICULTURAL LAND
- Cropland and pastureOrchards, groves, vineyards,
- nurseries, and ornamental horticultural areas 23 Confined feeding operations
- 24 Other agricultural land
- 31 Herbaceous rangeland 32 Shrub and brush rangeland 33 Mixed rangeland

3 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

6 WETLAND

- 54 Bays and estuaries
- 61 Forested wetland 62 Nonforested wetland
- 7 BARREN LAND 71 Dry salt flats
- 73 Sandy areas other than beaches
- 74 Bare exposed rocks 75 Strip mines, quarries, and
- 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

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. Witmer.

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. Guptill, K. E. Anderson, R. G. Fegeas, and C. A. Hallam.

Land use and land cover information compiled from source materials dated 1976-78.

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.

Minimum mapping units are: 4 hectares (10 acres)

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.



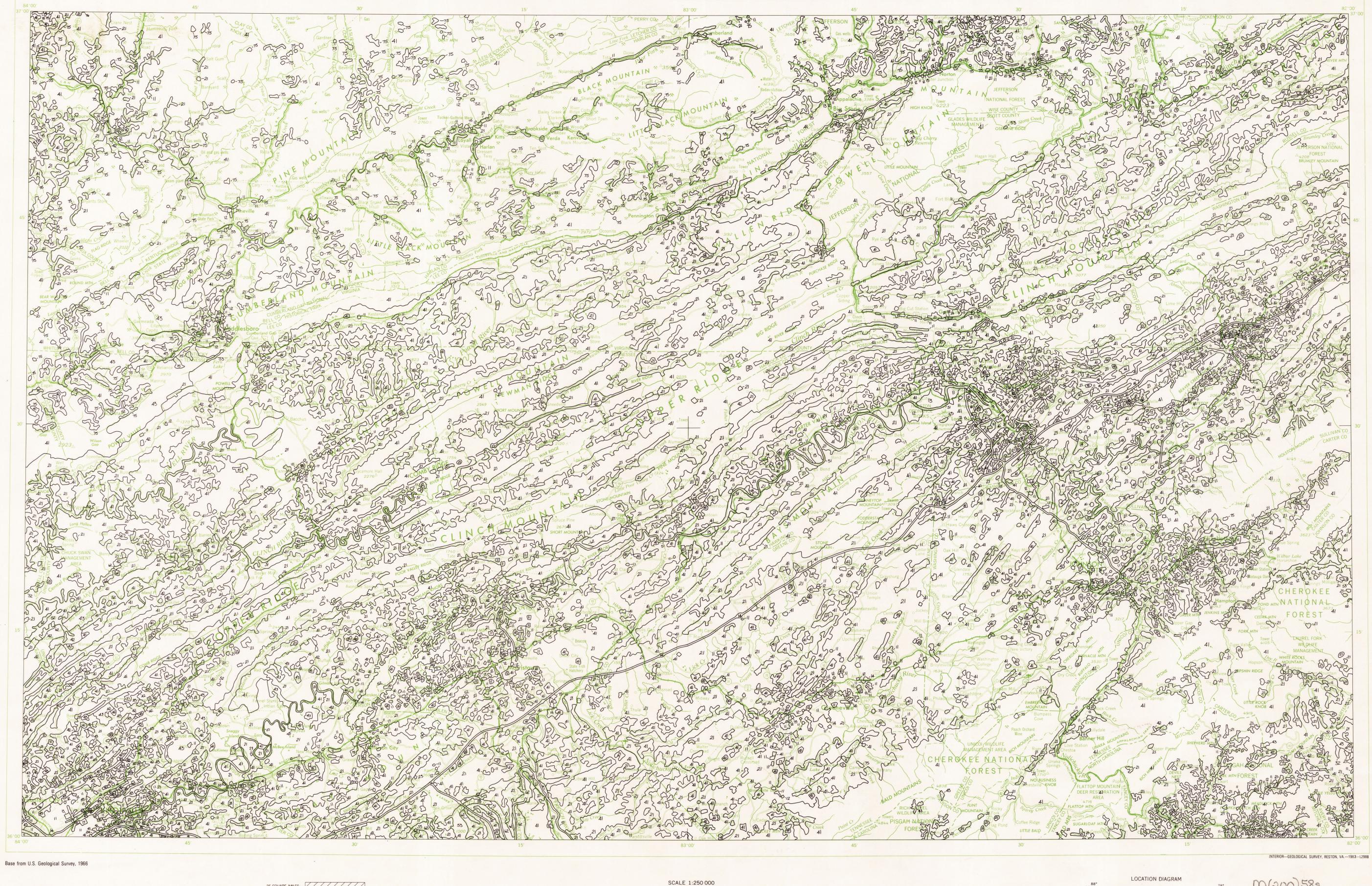
J631_G 1983 c.1

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LAND USE AND LAND COVER, 1976–78 JOHNSON CITY, TENNESSEE; VIRGINIA; KENTUCKY; NORTH CAROLINA