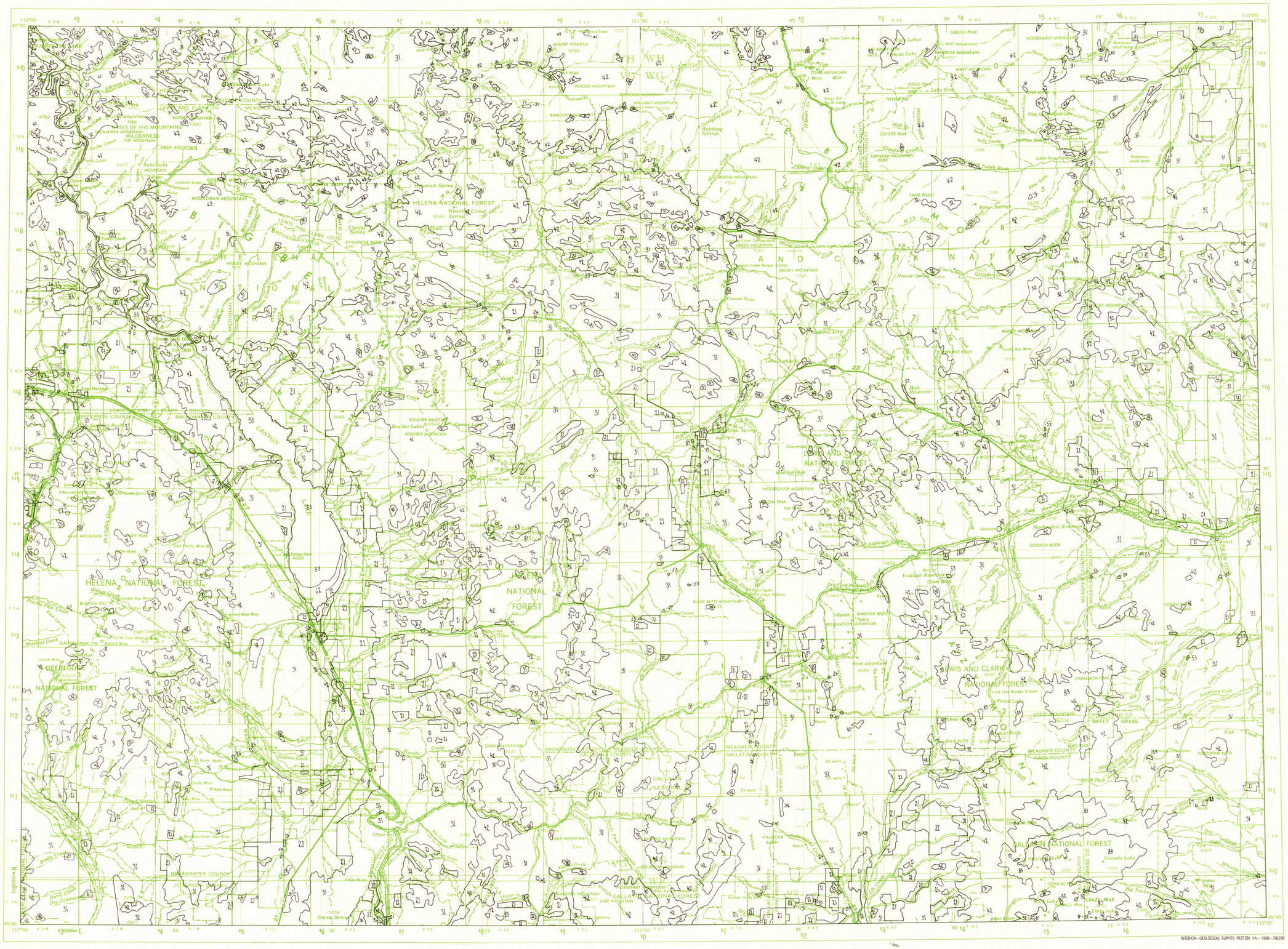
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

LAND USE SERIES
MAP L-202
LAND USE AND LAND COVER, 1972
WHITE SULPHUR SPRINGS, MONTANA



Base from U.S. Geological Survey, 1958-72

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1980—T80268

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 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

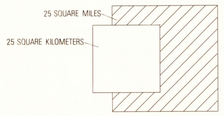
For definitions of Level I and Level II categories see U.S. Geological Survey Professional Paper 964, *A land use and land cover classification system for use with remote sensor data*, 1976, by J. R. Anderson, E. E. Hardy, J. T. Roach, and R. E. Witmer.

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 1972.

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.

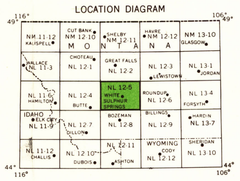


SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 30 35 KILOMETERS

LOCATION DIAGRAM



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WHITE SULPHUR SPRINGS, MONTANA

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