DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared in cooperation with the
STATE OF HAWAII, DEPARTMENT OF PLANNING
AND ECONOMIC DEVELOPMENT

LSM - WAGENINGEN
country : USA
subject : Thema
scale : 1:100 000
map ref.: 115 42.10
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:

LAND USE SERIES
MAP L-128
LAND USE AND LAND COVER, 1976-78
KAUAI COUNTY, HAWAII

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 1976–78.

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.

PACIFIC OCEAN

KAULAKAHI CHANNEL

KAUAI CHANNEL

KAUAI

NIIHAU

Lehua Island

Base from U.S. Geological Survey, 1980

10,000-meter Universal Transverse Mercator grid, zone 2

4 SQUARE KILOMETERS
4 SQUARE MILES

SCALE 1:100 000

5 0 5 MILES
5 0 5 10 KILOMETERS

# LAND USE AND LAND COVER, 1976–78
# KAUAI COUNTY, HAWAII

LOCATION DIAGRAM

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.
1981—780624

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