

Layer Name: Land Use/Land Cover

File Name: lulc

Layer Type: Polygon

Status: Complete

Geog. Extent: Main Hawaiian Islands

Projection: Universal Trans Mercator, Zone 4 (Meters)

Datum: NAD 83 HARN

Description: Land Use and Land Cover of Main Hawaiian Islands as of 1976

Source: 1:100,000 1976 Digital GIRAS (Geographic Information Retrieval and Analysis) files.

See description below from EROS Data Center:

Land Use and Land Cover (LULC) data consists of historical land use and land cover classification data that was based primarily on the manual interpretation of 1970's and 1980's aerial photography. Secondary sources included land use maps and surveys. There are 21 possible categories of cover type. The spatial resolution for all LULC files will depend on the format and feature type. Files in GIRAS format will have a minimum polygon area of 10 acres (4 hectares) with a minimum width of 660 feet (200 meters) for manmade features. Non-urban or natural features have a minimum polygon area of 40 acres (16 hectares) with a minimum width of 1320 feet (400 meters). Files in CTG format will have a resolution of 30 meters.

Note: May 2024 – Hawaii Statewide GIS Program staff removed extraneous fields that had been added as part of the 2016 GIS database conversion and were no longer needed.

Attributes: Polygons:

FID	Feature ID
AREA	area of polygon (sq. meters)
PERIMETER	perimeter of polygon (meters)
LANDCOVER	Landcover Code

(Landcover Code attribute values shown on following page)

LandCover Codes:

Level I	Level II
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 84 Wet Tundra 85 Mixed Tundra
9 Perennial Snow	91 Perennial Snowfields or Ice 92 Glaciers

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