

**Layer Name:** 2015 Hawaii Statewide Agricultural Land Use Baseline

File Name: aglanduse\_2015.shp

Layer Type: Polygon

Status: Complete

Geog. Extent: Main Hawaiian Islands

Projection: Universal Trans Mercator, Zone 4 (Meters)

Datum: NAD 83 HARN

Description: The 2015 Hawaii Statewide Agricultural Land Use Baseline layer was created to provide a snapshot of contemporary commercial agricultural land use activity in Hawaii. The purpose of this layer was to help define the areas, circumstances, and resources that drive the agricultural production taking place throughout the state.

Source: The University of Hawaii at Hilo Spatial Data Analysis and Visualization (SDAV) Laboratory in conjunction with the Hawaii State Department of Agriculture, 2015.  
(Please acknowledge the Spatial Data Analysis and Visualization Lab at the University of Hawaii at Hilo as a source when this data is used in the preparation of reports, papers, publications, maps, and other products.)

History: The 2015 Hawaii Statewide Agricultural Land Use Baseline layer was created to provide a snapshot of contemporary commercial agricultural land use activity in Hawaii. It is based upon an assemblage of geospatial datasets, primarily high-resolution WorldView-2 satellite imagery (2011 – 2013) used as a base layer for digitization. Additional datasets used in this work include GIS layers ('Agriculture and Farming', 'Inland Water Resources', and 'Cadastral and Land Descriptions') provided by the state of Hawaii, Office of Planning Statewide GIS Program and other data provided by major land owners and managers. County Real Property Tax and Agricultural Water Use data were also used to identify commercial farm operations. Data for both real property tax assessment and agricultural water use were collected from each county that provided their most recent records, generally from 2014-2015. Not all properties that receive County agricultural tax assessment rates or reduced water cost for agricultural uses were mapped due to the small scale of some of their operations. These data sources were used to verify mapped commercial farms and identify operations that might have been missed using the imagery alone.

Digitized crop locations and boundaries were verified through a combination of on-the-ground site visits, meetings and presentations of draft layers with agricultural stakeholders and landowners, solicitations through a publicly accessible online web mapping portal, and spot-checking using Google Earth™ and other high resolution imagery sources.

The 2015 Hawaii Statewide Agricultural Land Use Baseline layer represents our best efforts to capture the scale and diversity of commercial agricultural activity in Hawaii in 2015 and should be used for informational purposes only.

Attributes:

Polygons:

**CropCatego**

**Crop Category**

Aquaculture

Banana

Coffee

Commercial Forestry

Seed Production

Dairy

Diversified Crop

Flowers/Foliage/Landscape

Macadamia Nuts

Papaya

Pasture

Pineapple

Sugar

Tropical Fruits

Taro

Island

Island

Acrage

Acreage

For more information about this dataset, please refer to the full metadata, [2015AgBaseline.shp.xml](#) and to the [2015Ag\\_Baseline\\_Protocols.pdf](#).

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