Layer Name: Hawaii Soil Classifications

File Name: soils_mu_a_stateofhawaii, soils_sf_l_stateofhawaii and soils_sf_pt_stateofhawaii

Layer Type: Polygon, Lines, points

Geog. Extent: Main Hawaiian Islands

Projection: Universal Transverse Mercator, Zone 4 (Meters), NAD 83 HARN

Please note - if you download data from the State's geoportal (https://geoportal.hawaii.gov/), the data is exported in WGS84 coordinates, although it is stored internally (in the State's geodatabase), served in the State's web services (https://geodata.hawaii.gov/arcgis/rest/services) and made available in the State's legacy download site (https://planning.hawaii.gov/gis/download-gis-data-expanded/) in UTM / NAD 83 coordinates.

Description: Soil survey lines, points and polygons for the State of Hawaii

Source: Natural Resources Conservation Service (NRCS), ***November 2023*** (https://www.nrcs.usda.gov/resources/data-and-reports/gridded-soil-survey-geographic-gssurgo-database)

For additional tables and more information, see click link above, or visit the following pages: https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm (choose Download Soils data tab, State = Hawaii – you can download all shapefiles and tables for each county)

Table and columns Metadata: https://www.nrcs.usda.gov/sites/default/files/2022-08/SSURGO-Metadata-Tables-and-Columns-Report.pdf

<Attribute and contact information shown on following page>

Attributes: **Polygons:**

Areasymbol   NRCS Area ID of Polygon
SpatialVer   A sequential integer number used to denote the serial version of the spatial data for a soil survey area
MuSym   Mapunit Symbol - Used to uniquely identify the soil mapunit in the soil survey
MuKey   The unique identifier of a record in the Mapunit table. It also serves as the non-connotative string of characters used to uniquely identify a record in the Mapunit Aggregated Attribute table as there is a one-to-one relationship between records in these two tables. Use this column to join the Mapunit Aggregated Attribute table to the Mapunit table.

Lines:

Areasymbol   NRCS Area ID of Polygon
SpatialVer   A sequential integer number used to denote the serial version of the spatial data for a soil survey area
FeatSym   Mapunit Symbol - Used to uniquely identify the soil mapunit in the soil survey
FeatKey   The unique identifier of a record in the Mapunit table. It also serves as the non-connotative string of characters used to uniquely identify a record in the Mapunit Aggregated Attribute table as there is a one-to-one relationship between records in these two tables. Use this column to join the Mapunit Aggregated Attribute table to the Mapunit table.

Points:

Areasymbol   NRCS Area ID of Polygon
SpatialVer   A sequential integer number used to denote the serial version of the spatial data for a soil survey area
FeatSym   Mapunit Symbol - Used to uniquely identify the soil mapunit in the soil survey
FeatKey   The unique identifier of a record in the Mapunit table. It also serves as the non-connotative string of characters used to uniquely identify a record in the Mapunit Aggregated Attribute table as there is a one-to-one relationship between records in these two tables. Use this column to join the Mapunit Aggregated Attribute table to the Mapunit table.

Contact: Statewide GIS Program
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