

Layer Name: Watersheds (CWRM)
File Name: watersheds_cwrn
Layer Type: Polygon
Status: Complete
Geog. Extent: Main Hawaiian Islands
Projection: Universal Trans 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: Surface water hydrologic unit boundaries for the 8 major Hawaiian Islands **as of January 2024**

Source: State of Hawaii, Department of Land and Natural Resources, Commission on Water Resource Management

History: Created as part of a partial update to the Water Resource Protection Plan (2008).

Original: State Definition and Delineation of Watersheds, Office of State Planning, prepared by GDSI, 1995.

Update: Refinement of Hawaii Watershed Delineations, USDA Natural Resources Conservation Service, prepared by GDSI, 1999.

Update by CWRM: Derived from the watershed layers created and updated by GDSI for the Office of State Planning and the Natural Resources Conservation Service. The GDSI layer was updated by CWRM and Office of State Planning staff in 2008 using water diversion points submitted by water use declarants and stream diversion work permit applicants, as well as CWRM staff visual review, 2008.

- Update: 2016 - Revised surface water management area (SWMA) designations to reflect recent designation of Na Wai Eha, Maui. Provided to Statewide GIS Program, August, 2017.
- Update: 2022 - Revised surface water management area (SWMA) designations to reflect recent designation of West Maui. Provided to Statewide GIS Program, **August 2022**.
- Update: 2023 – Some values for area_sqmi field were found to be incorrect – values corrected February 2023.
- Update: 2024 – Modification of the boundaries of the Hulē'ia (2046), Māhā'ulepū (2048), Waikomo (2049), Aepo (2050) hydrologic units such that they more closely align with the watershed boundaries defined by the U.S. Geological Survey and the Division of Aquatic Resources.

Attributes:

Polygons:

WUName: Watershed Unit Name
WUC: Watershed Unit / Hydrographic Unit Code (text field)
HUC: Watershed Unit / Hydrographic Unit Code (numeric field)
SWMA: State Water Management Area – 0 = no, 1 = yes
Area_SqMi: Area of Watershed in square miles, as calculated by the GIS
Area_m2: Area of Watershed in square meters, as calculated by the GIS
Name_HWN: Name of the Watershed with Hawaiian diacritical markings

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