

Layer Name: Aquifers (DLNR Version)
Dataset Name: aquifers_dlnr
Layer Type: Polygon
Status: Complete
Geog. Extent: Islands of Hawaii, Kauai, Lanai, Maui, Molokai and Oahu
Projection: Universal Trans Mercator, Zone 4, 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: Aquifer sector areas and aquifer system area boundaries, as determined/defined by the State Department of Land and Natural Resources Commission on Water Resource Management to provide a consistent basis for managing ground water resources. Aquifer sector and system area boundaries were adopted to provide a consistent method by which to reference and describe ground water resources and to assist in various water planning efforts. These boundaries are not meant to be interpreted as absolute hydrologic boundaries. For more information on aquifer area boundaries, aquifer descriptions, and sustainable yields, please refer to the [Hawaii Water Plan, Water Resource Protection Plan Update, 2019](#). Note: The State of Hawaii, Department of Health maintains another GIS aquifer layer, which is more resource-oriented in nature, and which has different boundaries than the CWRM version, which is more administrative in nature.

Source: Department of Land and Natural Resources, Commission on Water Resource Management, **August 2022**.

History:

Aquifer boundary delineation initiated by State Department of Health in response to directive from the U.S. Environmental Protection Agency.

- 1983: Aquifer sector boundary delineation incorporated into General Flood Control Plan of Hawaii by DLNR, DOWALD.
- 1990: Aquifer boundary descriptions published in Water Resource Protection Plan.
- 1993: DLNR, CWRM adopts aquifer system areas for management purposes.
- 1995: Aquifer boundary digitized in ArcGIS by DLNR, DOWALD from island-wide maps of varying scales.
- 1997: Ewa Caprock aquifer sector included.
- 2000: March - Aquifer boundaries updated by DLNR, DOWALD.
- 2006: January - Coastline revised by DLNR, CWRM.
- 2008: September - Corrected Aquifer System Names Kealia and Paomai; Corrected Aquifer Sector Name Kamao.
- 2008: October - Updated system yield values by DLNR, CWRM.
- 2010: July - Corrected Aquifer System name Launiupoko.
- 2019: July - Updated system yield values by DLNR, CWRM.
- 2022: June - Lahaina Aquifer Sector designated a groundwater management area.

Attributes listed on following page

Attributes:

Code: Aquifer System unique code as assigned by CWRM.
Island: Island Name
Sector: Aquifer Sector
System: Aquifer System within an Aquifer Sector
SY2019_MGD: Sustainable Yield in million gallons per day (mgd) as adopted by the Commission on Water Resource Management, July 16, 2019.
GWMA: Ground Water Management Area (yes/no)
GWMA_DATE: If GWMA = yes, effective date of Ground Water Management Area designation by the Commission on Water Resource Management.

Contact: Statewide GIS Program, Office of Planning and Sustainable Development
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