

Layer Name: Water Quality Classifications

File Name: Water_Qual_Class

Layer Type: Polygon

Status: Complete

Geography Extent: Statewide

Projection: UTM, Zone 4, Meters

Datum: NAD83

Please note - if you are using data in the [State's web services](#) or downloading from the [State's geoportal](#), the data is served and exported in WGS84 coordinates, although it is stored internally in UTM coordinates.

Description: This dataset contains those marine Water Quality Standard Classifications surrounding the main Hawaiian Islands as specified in Hawaii Administrative Rules Title 11, Department of Health, Chapter 54 Water Quality Standards.

Source: DOH Water Quality Classification Maps, DOH Water Quality Classification jpg's

History: The original Water Quality Classifications dataset, Wqclass, was first transformed from UTM Zone 4, Old Hawaiian to UTM Zone 4, NAD 83 using the Hawaii Datums and Projections extension in ArcView 3.2. The transformed dataset was amended to incorporate the following changes:

- Erased Kahoolawe from water standards classification polygon
- Erased Sand Island from water standards classification polygon
- Corrected the water standards classification boundary between Kahoolawe and Maui
- Corrected the water standards classification designations around Hawaii island
- Corrected the water standard classification designation around Kahoolawe
- Deleted the polygons representing land masses (i.e. islands).

Jpeg images were downloaded from the State Department of Health website and displayed in ArcView using the Jpeg Image Support extension. The images were positioned and manipulated to correspond with the Niihau coastline using the Image Georeferencing Tools and Image Analysis extensions. The Niihau coastline is part of the State's coastline layer. The water standards classifications boundary around Niihau was digitized from the jpeg. The Niihau water standards classification boundary was then merged with the amended class water dataset.

Completed December, 2002.

Contact: Hawaii Statewide GIS Program
Office of Planning, State of Hawaii
P.O. Box 2359, Honolulu, HI 96804
Phone: (808) 587-2846
Email: gis@hawaii.gov