

Layer Name: Submerged Buoys

File Name: SubmergedBuoys

Layer Type: Point

Status: Complete

Geog. Extent: Main Hawaiian Islands

Projection: Universal Trans Mercator, Zone 4, Meters

Datum: NAD 83 HARN

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 submerged buoys located in marine waters within the vicinity of the main Hawaiian Islands and recorded on the nautical charts.

Source: NOAA Raster Nautical Charts

History: The raster nautical charts were first re-projected from their original projection/datum to UTM Zone 4, NAD 83 using NOAA's Nautical Chart Re-projector v1.8.3. NOAA's ArcView ChartViewer extension was used to display the re-projected nautical charts in ArcView v3.2. Objects were then digitized from the individual nautical charts and merged into a single dataset/shapefile which covers the entire state. Completed December, 2002.

Note: June 2024 – Hawaii Statewide GIS Program staff removed extraneous fields that had been added as part of a 2016 GIS database conversion and were no longer needed.

Attributes: Polygons:

ID	Point ID
Name	Name of buoy (if any)
Notes	Notes pertaining to individual objects as reported on the nautical charts
Chart	Source chart from which object was digitized

NOTE: Data not to be used for navigational purposes. Data were not reviewed or authenticated by the Office of Coast Survey, NOAA National Ocean Service. NOAA is not responsible for the use of these data as a navigational tool.

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