

***Tsunami and Extreme Tsunami Evacuation Zone Maps – Cautions and Additional Information***

***For most Tsunami Warnings, evacuate out of the tsunami evacuation zones; in the unlikely case of an “Extreme Tsunami” Warning, evacuate out of both the tsunami evacuation zones and the extreme tsunami evacuation zones.***

***Note 1:***

***Remain at least 100 feet away from inland waterways and marinas connected to the ocean due to wave surges and possible flooding.***

***Note 2:***

***Boaters should move vessels to at least 50 fathoms (300 feet) deep and 2 miles away from harbor entrances; follow all directions from the Captain of the Port.***

***Note 3:***

***Structural steel or reinforced concrete buildings of ten or more stories provide increased protection on or above the fourth floor; if you are caught near the shoreline, consider using vertical evacuation.***

***Note 4:***

***The evacuation zone is a guideline and should be considered the minimum safe evacuation distance.***

***Note 5:***

***These maps do not consider the destructive effects of a locally generated tsunami. If you feel shaking, move inland immediately, well away from the evacuation zone.***

Layer Name: Extreme Tsunami Evacuation Zones

File Name: tsun\_evac\_zones\_extreme

Layer Type: Polygon

Status: Complete

Geog. Extent: Counties of Kauai, Maui and Oahu

Projection: Universal Trans Mercator, Zone 4 (Meters)

Datum: NAD 83 HARN

Description: Extreme Tsunami Evacuation Zones for the counties of Kauai, Maui and Oahu

Source: City and County of Honolulu, 2015 (received by State GIS Program, 2016)  
Counties of Kauai and Maui, 2016

These are the areas in each of the three counties deemed to be at risk during an "Extreme Tsunami" which is a new class of seismic events which has been modeled but not observed historically. Data is intended to be used for evacuation planning and natural hazard mitigation.

Extreme Tsunami Boundaries for the Island of Hawaii have not been received as of Aug, 2018.

Boundaries are based on peer review of the inundation models provided by UH Researchers and the operational needs of each county's First Responders and the Emergency Management Community.

Source: Dr Kwok Fai Cheung and the SOEST program. Hawaii State Civil Defense (Hawaii Emergency Management Agency). County of Kauai, County of Maui, City and County of Honolulu, and NOAA.

The Statewide GIS Program dropped fields that were not consistent between counties (e.g., some county source data had multiple area or length fields, etc.) in order to create a statewide Extreme Tsunami layer. The Statewide GIS Program projected the data from various source projections (State Plane and Web Mercator) into UTM Zone 4, NAD 83 HARN and merged into a single statewide layer. Please contact the individual counties for the original source data.

Note that for the islands of Kauai, Lanai, Maui and Molokai, the Extreme Zone polygons include the non-extreme zones. For the islands of Niihau and Oahu, the Extreme Zones do not include the non-extreme (more seaward) zones, so in order to display the entire area to be evacuated in the case of an extreme tsunami, both the layers would need to be displayed. This is important to consider when considering map symbology.

Also refer to the statewide "Tsunami Evacuation Zone" and "Tsunami Evacuation Safe Zone" layers.

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