

Title: Hawaii Wildfire Ignition Points 2005-2020

Summary: The data set provides point-based locations of all wildfires recorded for the main Hawaiian Islands (except Niihau and Kahoolawe) for 2005 through 2020. This data set combines fire record data from Hawaii's four county fire departments (Hawaii County, Maui County, Kauai County, and Honolulu City and County), the Hawaii Department of Land and Natural Resources Division of Forestry and Wildlife, and the National Park Service. The data were collected from the agencies through a collaborative effort between Hawaii Wildfire Management Organization (HWMO; hawaiiwildfire.org) and Dr. Clay Trauernicht at the University of Hawaii at Manoa (UH Manoa). This current data set updates an effort led by HWMO in 2013 and all records from 2012 through 2020 were quality controlled by UH Manoa. Please contact Dr. Trauernicht for any questions via email: trauerni@hawaii.edu.

Description: The data set consists of 13,673 point-based wildfire records of which 94% contain latitude and longitude and 99.5% contain size estimates (in acres). Fires with missing attributes are included in order to tabulate counts of ignitions per year. For area burned per year, more accurate estimates may be possible using the Hawaii Large Fire Perimeters data set compiled and mapped by UH Manoa and available at <https://pacificfireexchange.org/region/hawaii/>. Data columns include Date (Also split by day/month/year), Latitude, Longitude, Acres (indicating agency estimate of fire size), County, AgencyCode, IncidentNumber (original agency incident ID), Source (the Agency providing the data), and Notes (indicating lat/lon that were removed for being incorrect).

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Use limitations:

DATA USE AND DISTRIBUTION: We actively encourage use of this data set for scientific purposes and planning by communities, natural resource managers, and emergency response agencies. This is not, however, the case for commercial purposes. Users are prohibited from any commercial, non-free resale, or redistribution without explicit written permission from the Dr. Clay Trauernicht at University of Hawaii at Manoa.

NO WARRANTY OR LIABILITY: The producers of this data will not bear any responsibility for the consequences of using this data set, which are entirely the responsibility of the user. The past wildfire events recorded in this data set do not guarantee that homes or property will survive a wildfire event or that an area with few wildfires signifies a low hazard or risk rating. Some fire events required retroactively identifying geographic coordinates from narrative descriptions that may detract from the spatial accuracy of the record. Therefore, the data do not indicate the full range of realistic fire and ember exposures, nor does it offer actual quantification of the potential exposure of homes to the ignition, spread, and intensity of wildfires or embers produced by wildfires. Although the data set and subsequent analyses may indicate general wildfire patterns for a given area, the actual risk to homes and property can deviate based on the characteristics of the site around an individual home, community, or natural resource area.