This data set is comprised of vector data (polygons) of wildland fire perimeters for the main Hawaiian Islands from 1999 to 2022. It compiles prior mapping efforts/collections with fires mapped directly by Dr. Clay Trauernicht in the Department of Natural Resources and Environmental Management at the University of Hawaii at Manoa (UH-NREM). The effort sought to locate and map all fires greater than or equal to 20 hectares (50 acres), but some smaller fires may be included as detected in imagery. Data sources ("Source" in dataset) include the following: Hawaii Wildfire Management Organization (www.hawaiiwildfire.org) provided ground-based, GPS-mapped fire perimeters primarily from the Kona/Kohala region of Hawaii Island; National Park Service provided ground-based, GPS-mapped fires records from Hawaii Volcanoes National Park; the US Geological Survey's Monitoring Trends in Burn Severity (USGS_MTBS_perimeters_2002_2011) provided fire perimeters mapped from LANDSAT imagery from 2002-2011; The Army Natural Resource Program-Oahu provided ground-based, GPS-mapped fires on Oahu; All other fires were mapped by NREM Fire (UH_NREM_Fire_Satellite) using LANDSAT and/or sentinel-2 satellite imagery. For 2002-2011, USGS satellite records were prioritized in the case of any duplicate record. NREM-mapped fires include those from 2012 onwards in addition to filling in occasional missing records, where possible, derived from LANDSAT or Sentinel-2 imagery. Records from 2021-Present have been mapped through a cooperative effort between Hawaii Wildfire Management Organization and Dr. Clay Trauernicht through UH's NREM department using LANDSAT and Sentinel-2 imagery. These records have been sourced as (HWMO_satellite). Please direct questions to Clay Trauernicht at trauerni@hawaii.edu or the current mapping technician at HWMO, Allyson Earl, firetracking@hawaiiwildfire.org.

Details:
Extent : -159.7403, -154.961, 18.92261, 22.14256 (xmin, xmax, ymin, ymax)
Coordinate Reference System : +proj=longlat +datum=WGS84 +no_defs

Attributes:
"YYYYMMDD" : Year Month Day numeric code for day fire was reported
"Sat_sz_ac" : Size of fire derived from satellite imagery (when available) in acres
"Inc_name": Incident name given by agency (when available)
"Locale": locations specifics provided by reporting agency
"Source": agency providing ignition records from which fire was located
 "AgencyID": Unique fire ID as recorded by reporting agency
"UH_ID" : Unique ID used for fires located by UH NREM program
"kmlname": naming convention linking record to Google Earth Engine scripts used by UH NREM
 "Year": Year of incident
"Month": month of incident
"Day" : day of month incident reported
"area_ha": area burned in hectares
"county": County location of incident
"Island": Island location of indecent
"area" : area burned in acres
"FireMonth": text month of indecent