

discussion

Lahaina, what did ndvi show/what land type was lost:

- Native forest, shrubland, grassland, developed,

Upcountry, what did ndvi show/what land type was lost]:

- Grassland, shrubland, developed, open space

-Significance change in NDVI-

04 method(s)

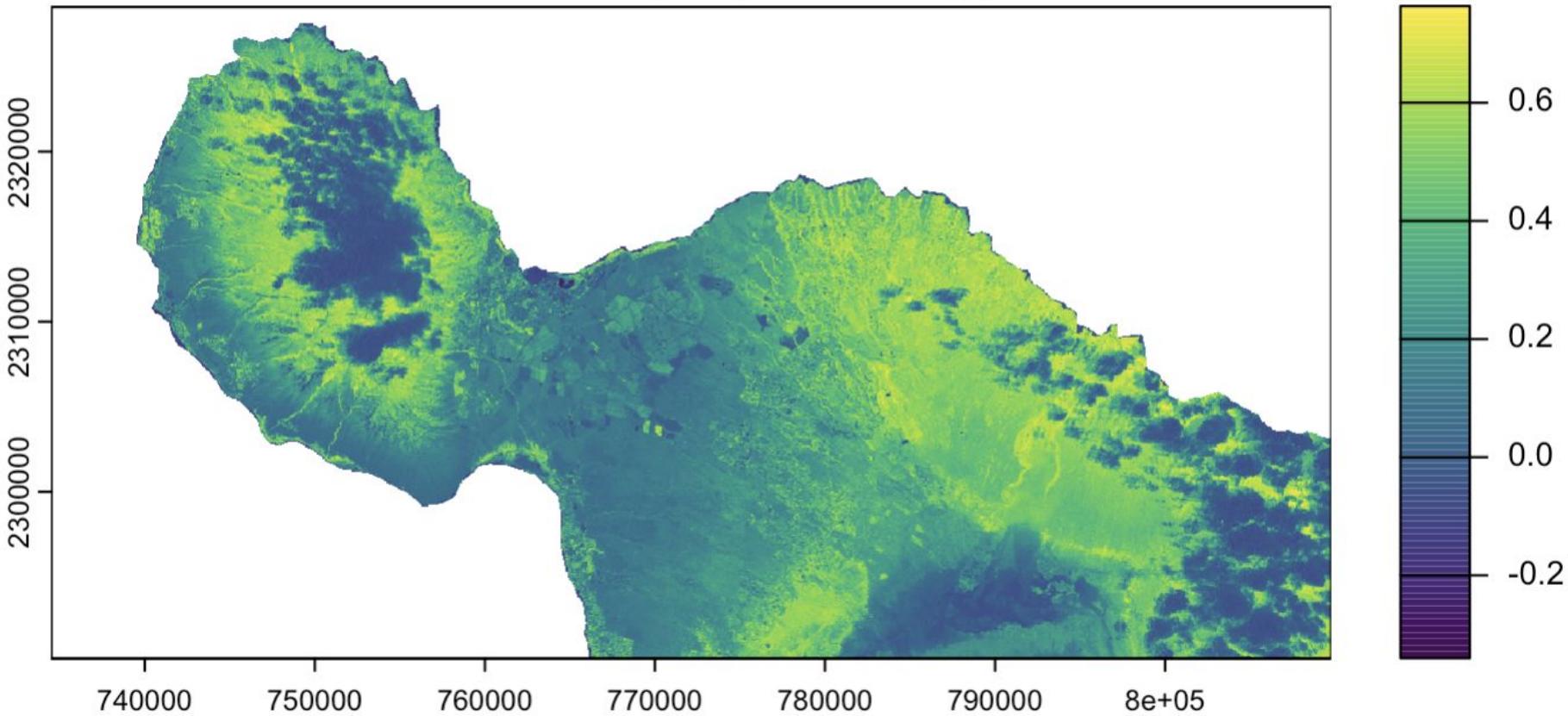
how we made our findings
possible!



sentinel-2

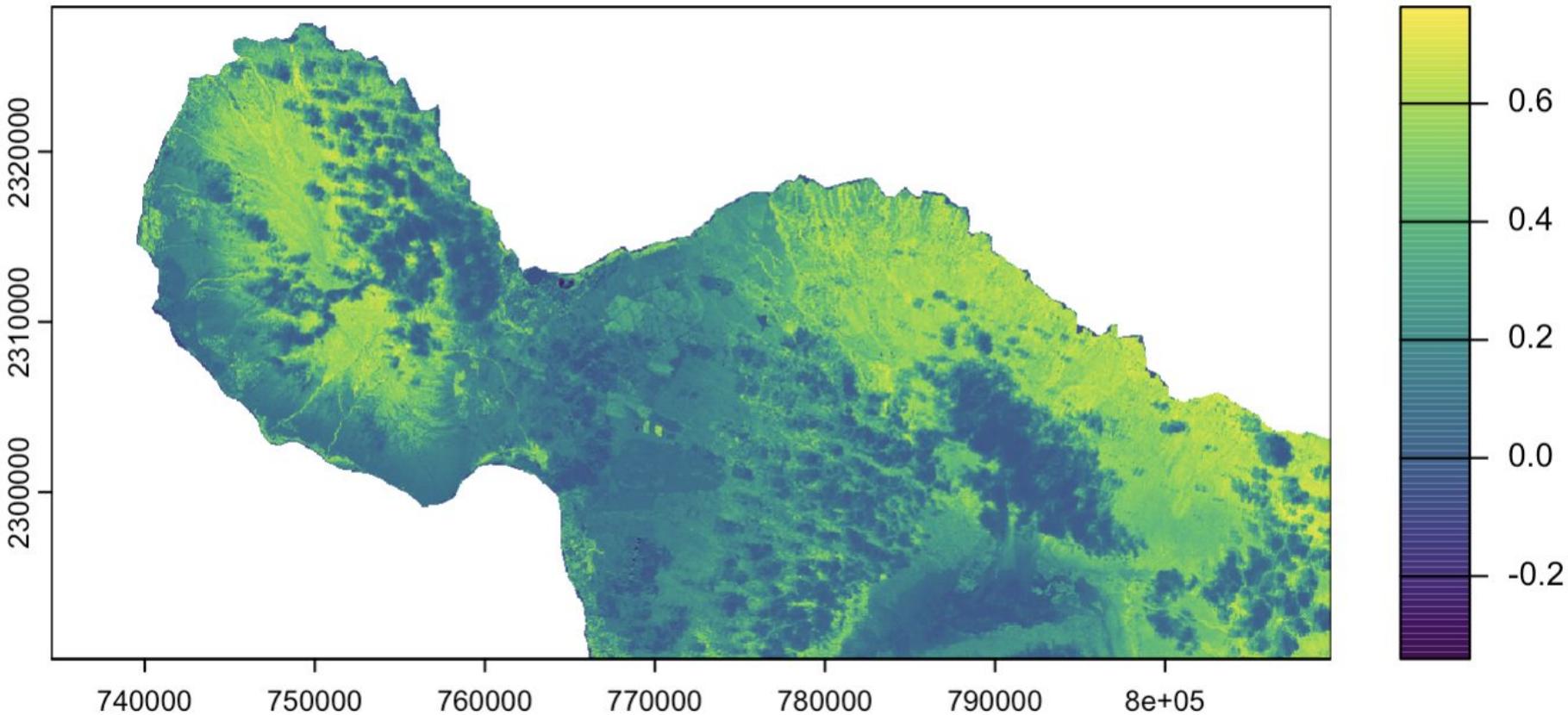


NDVI — Aug 8 (Maui Only)





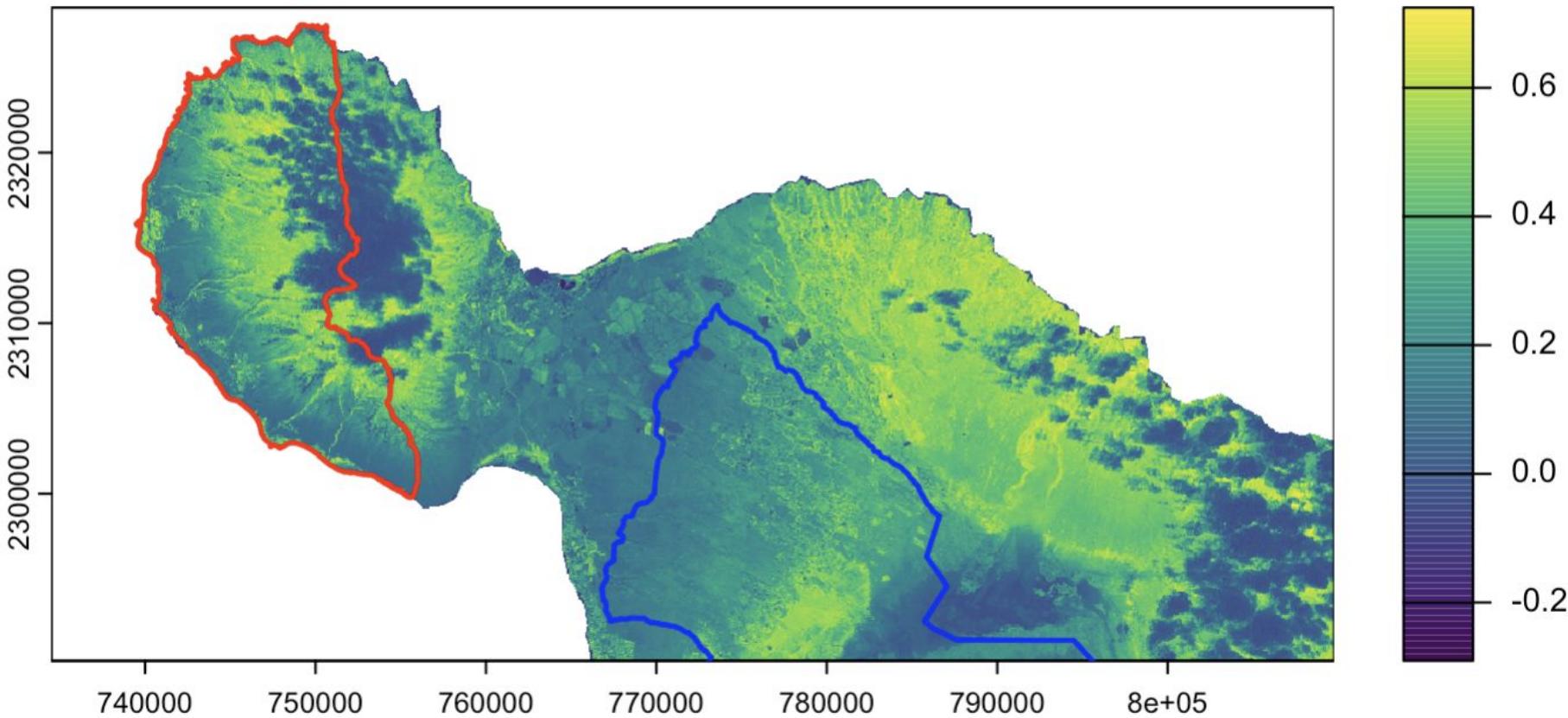
NDVI — Aug 13 (Maui Only)





maui counties

NDVI Maui with Districts Overlay





land cover types



LandCover Codes:

Level I

1: Urban or Built-up land

2: Agricultural Land

3: Rangeland

Level II

11: Residential
12: Commercial and Services
13: Industrial
14: Transportation, Communications and Utilities
15: Industrial and Commercial Complexes
16: Mixed Urban or Built-up Land
17: Other Urban or Built-up Land

21: Cropland and Pasture
22: Orchards, Groves, Vineyards, Nurseries and
Ornamental Horticultural Areas
23: Confined Feeding Operations
24: Other Agricultural Land

31: Herbaceous Rangeland
32: Shrub and Brush Rangeland
33: Mixed Rangeland



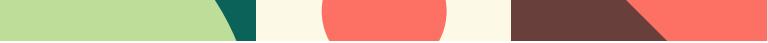
source: hawaii statewide GIS
program



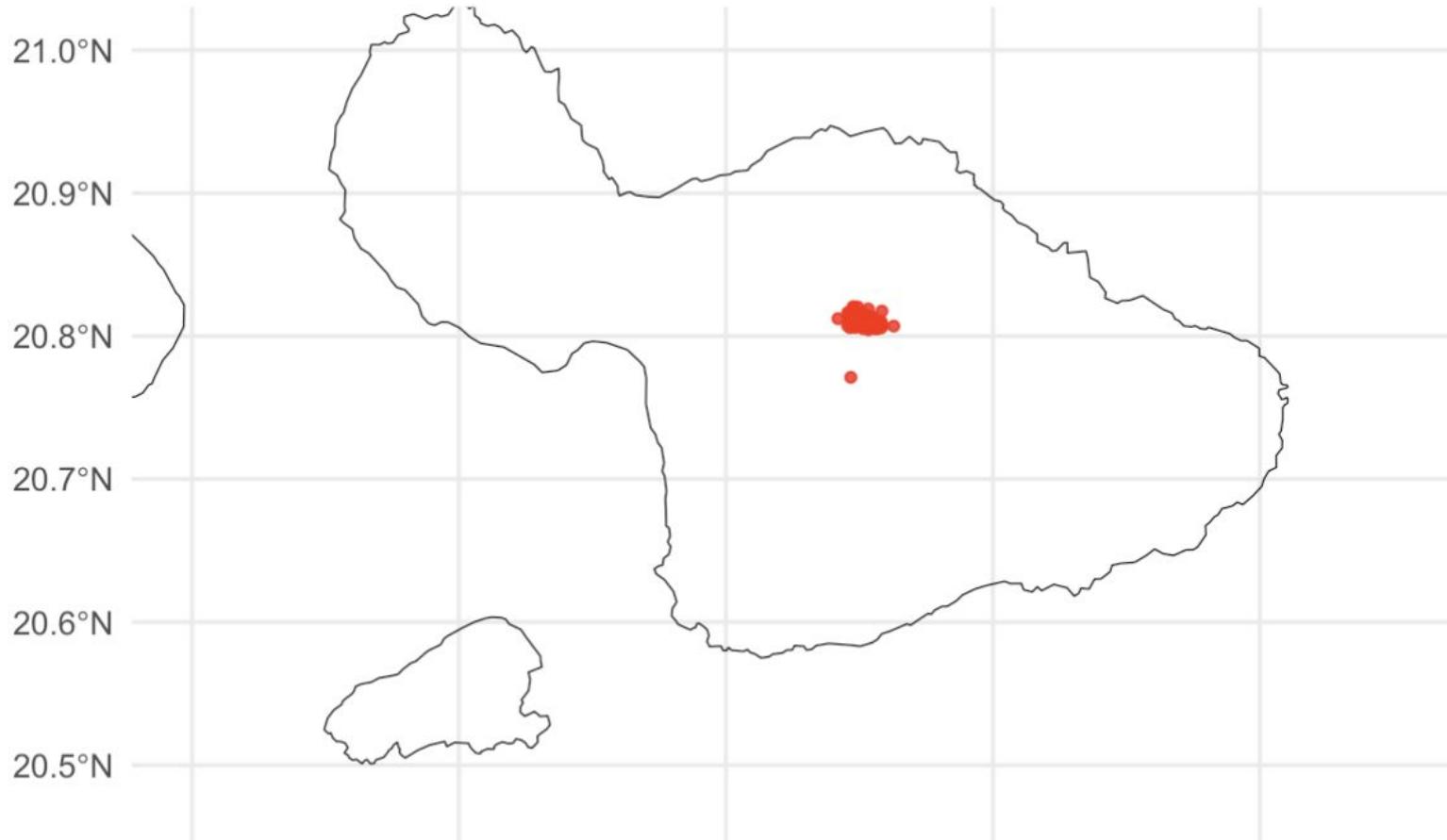
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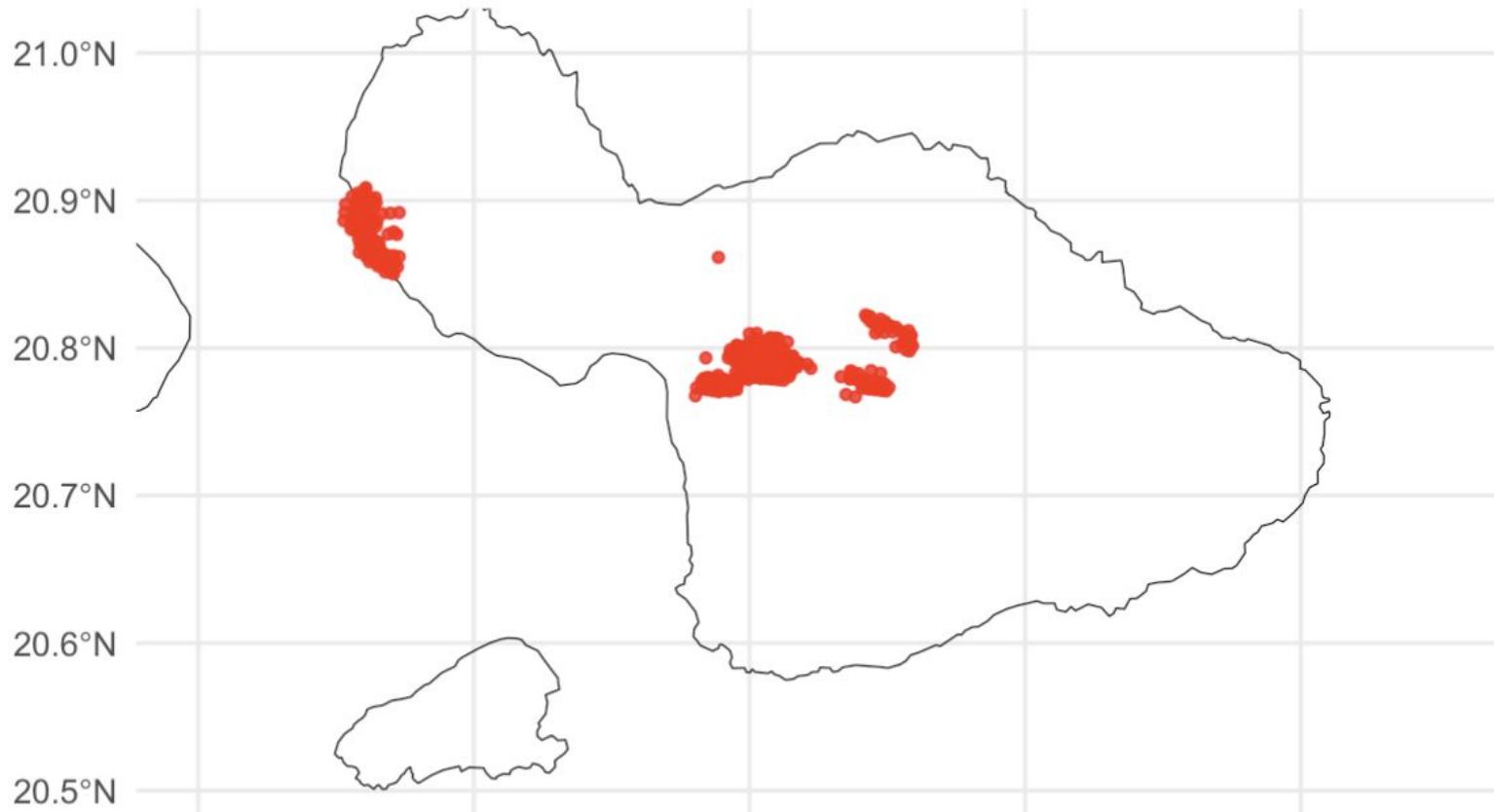


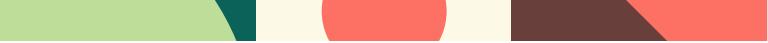
FIRMS Fire Detections on Maui: 2023-08-08



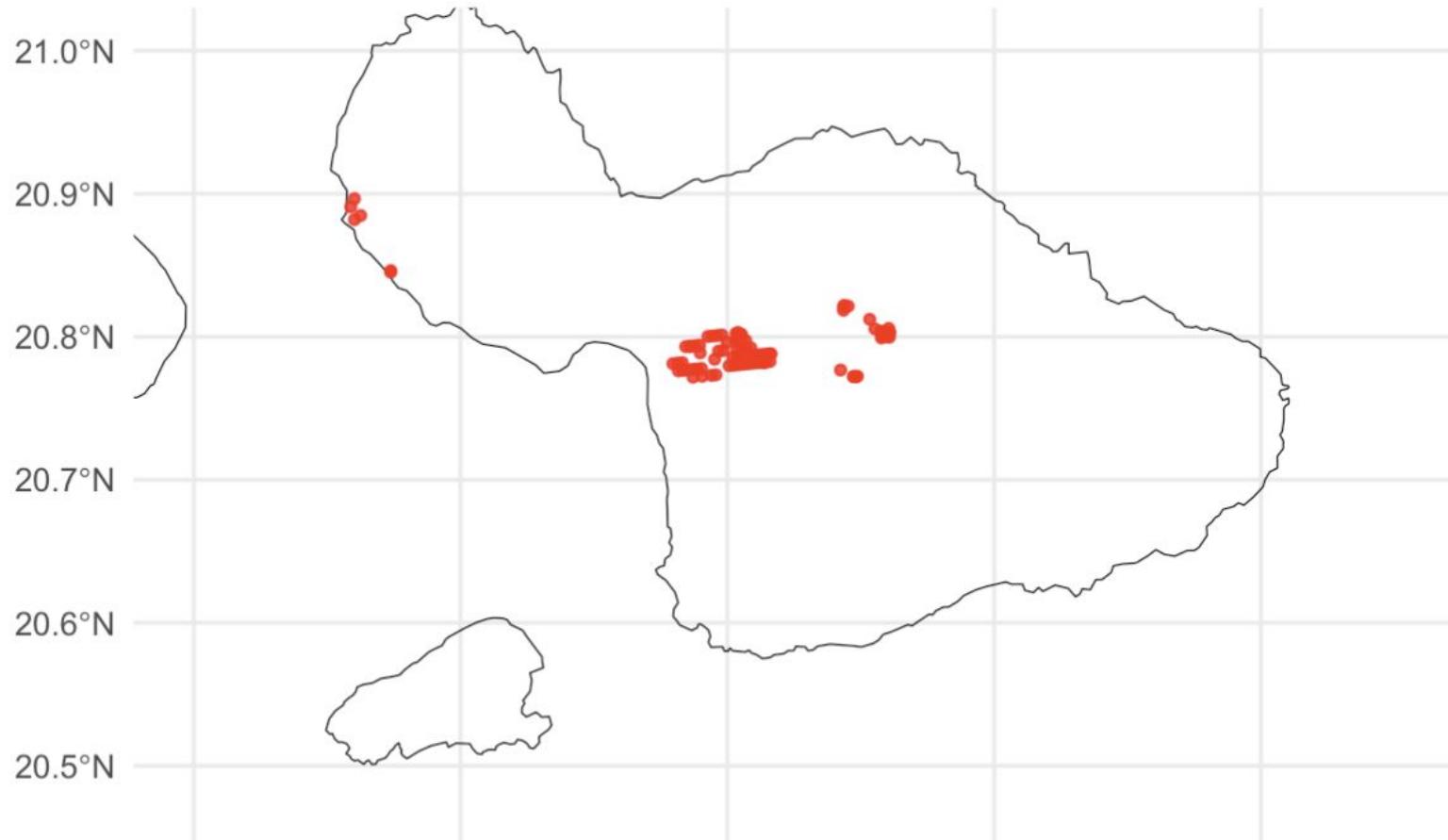


FIRMS Fire Detections on Maui: 2023-08-09





FIRMS Fire Detections on Maui: 2023-08-10





mahalo!

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references

- <https://www.hawaii.edu/news/2023/10/03/maui-health-environmental-impacts/>
- <https://earthexplorer.usgs.gov/>
- <https://www.earthobservatory.nasa.gov/images/151688/devastation-in-maui>
- https://browser.dataspace.copernicus.eu/?zoom=9&lat=20.55694&lng=-156.38214&themelId=DEFAULT-THEME&visualizationUrl=U2FsdGVkX19%2FMRoWHo0rCTMktxftCD%2BZvd4VSxEHa6U2yJ2bBbiJfUGJ6hO4pV%2B3ZipAOUKINAspBgr15I21FOzFpDJgN0YUtD5f7NKpfnOfIVGDBbXgpxiSrnOKDUjb&datasetId=S2_L2A_CDAS&demSource3D=%22MAPZEN%22&cloudCoverage=30&dateMode=SINGLE

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