



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

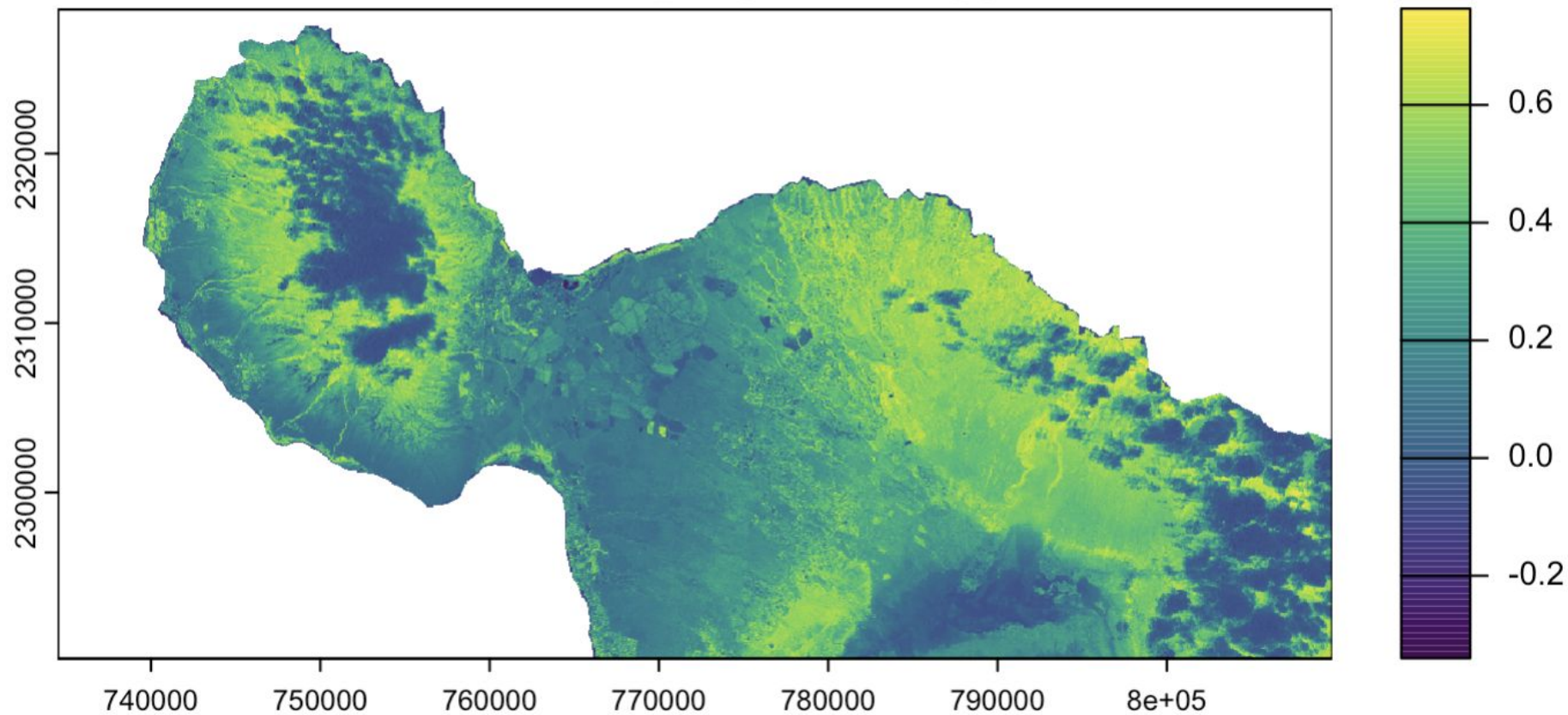
method(s)

how we made our findings
possible!

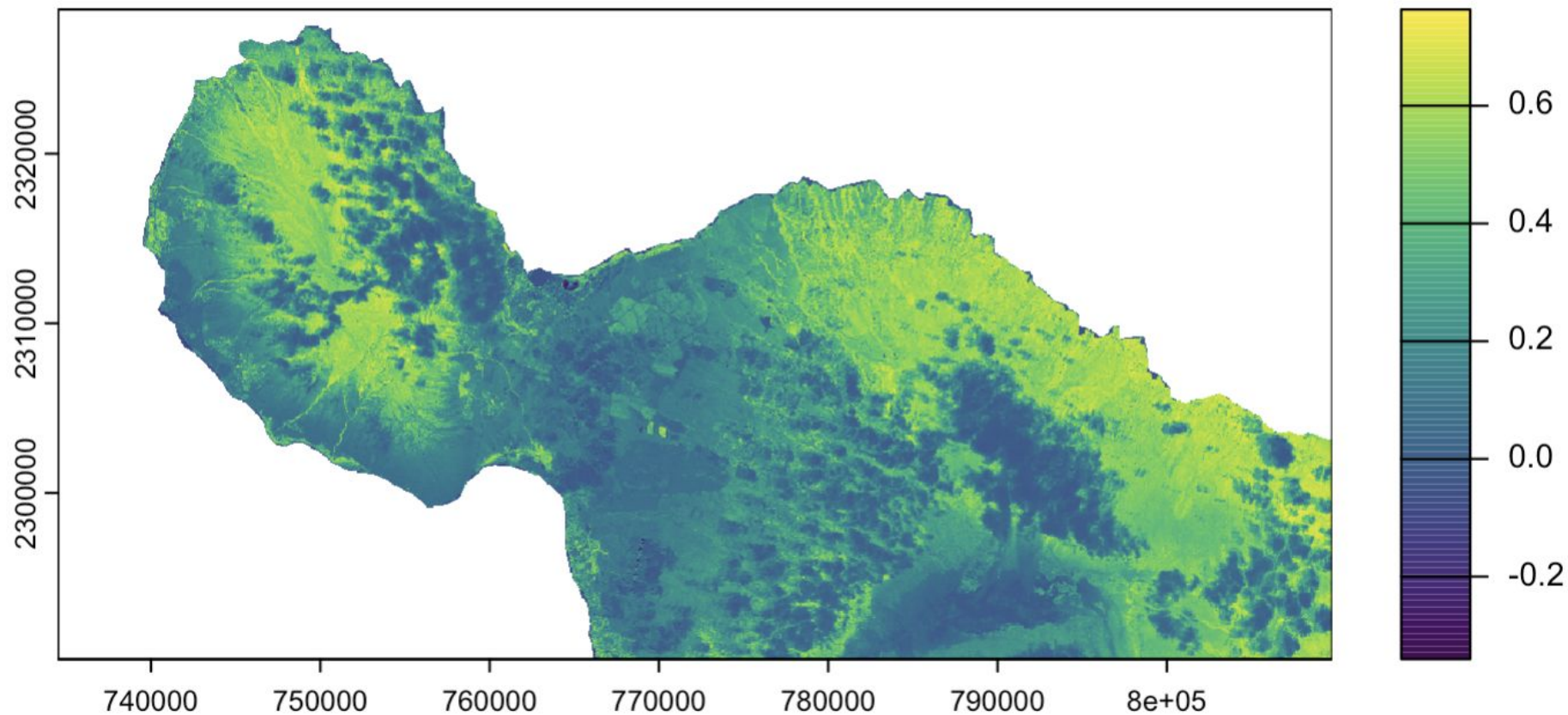


sentinel-2

NDVI — Aug 8 (Maui Only)



NDVI — Aug 13 (Maui Only)

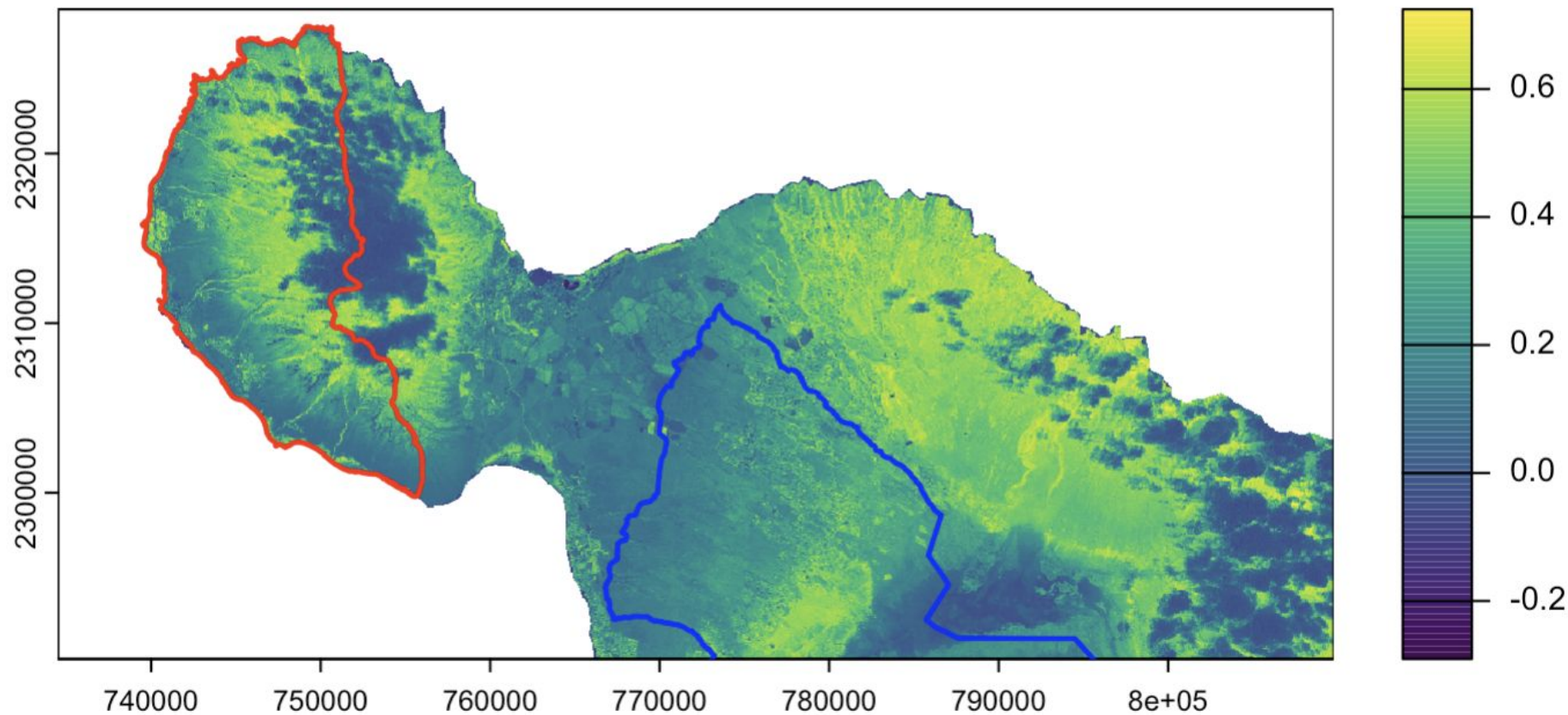




maui counties



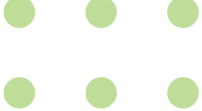
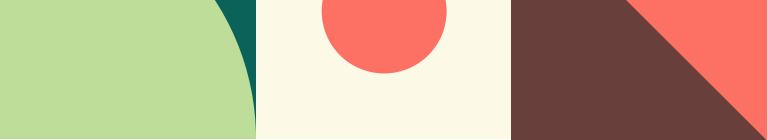
NDVI Maui with Districts Overlay





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



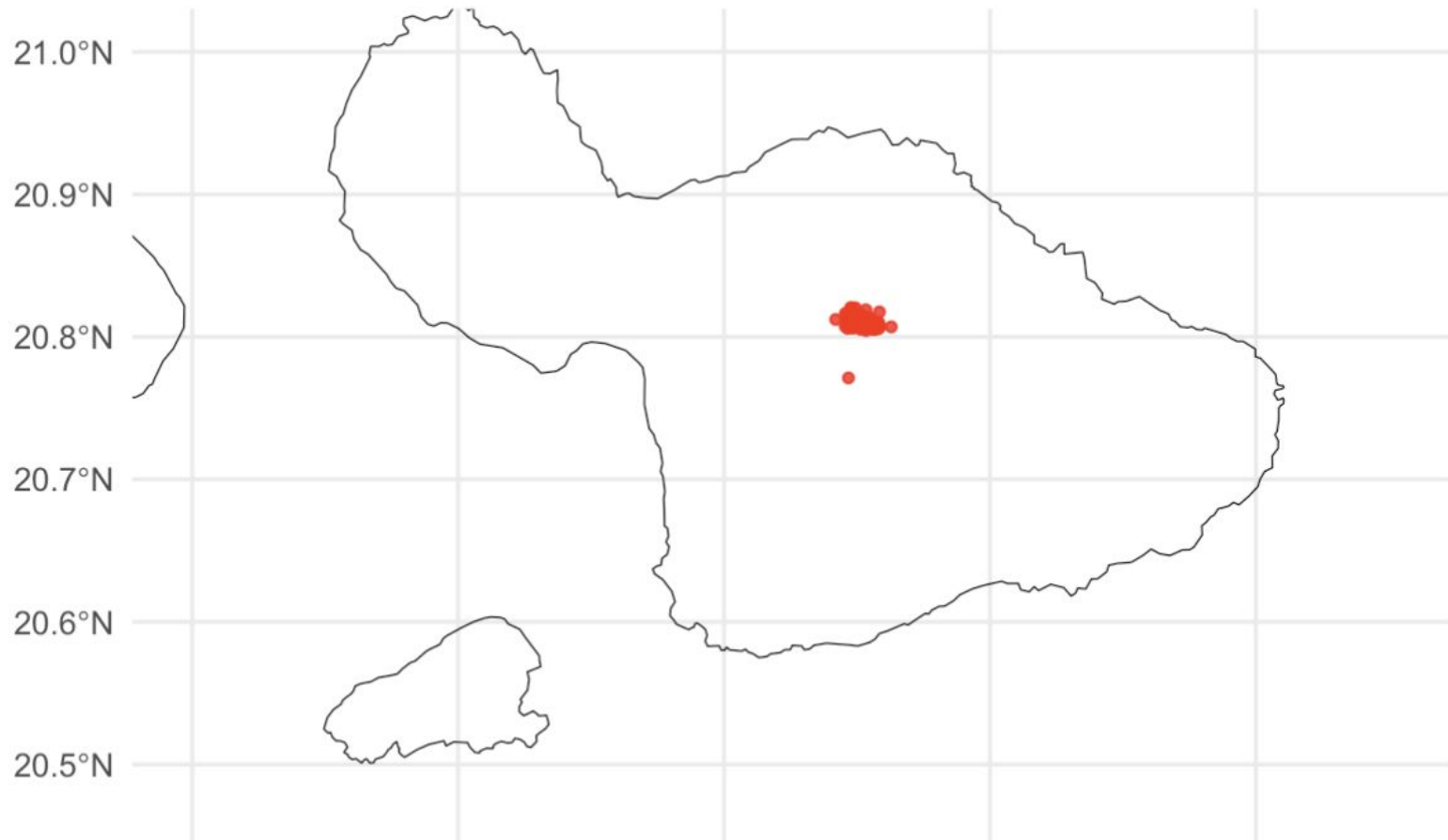


modis

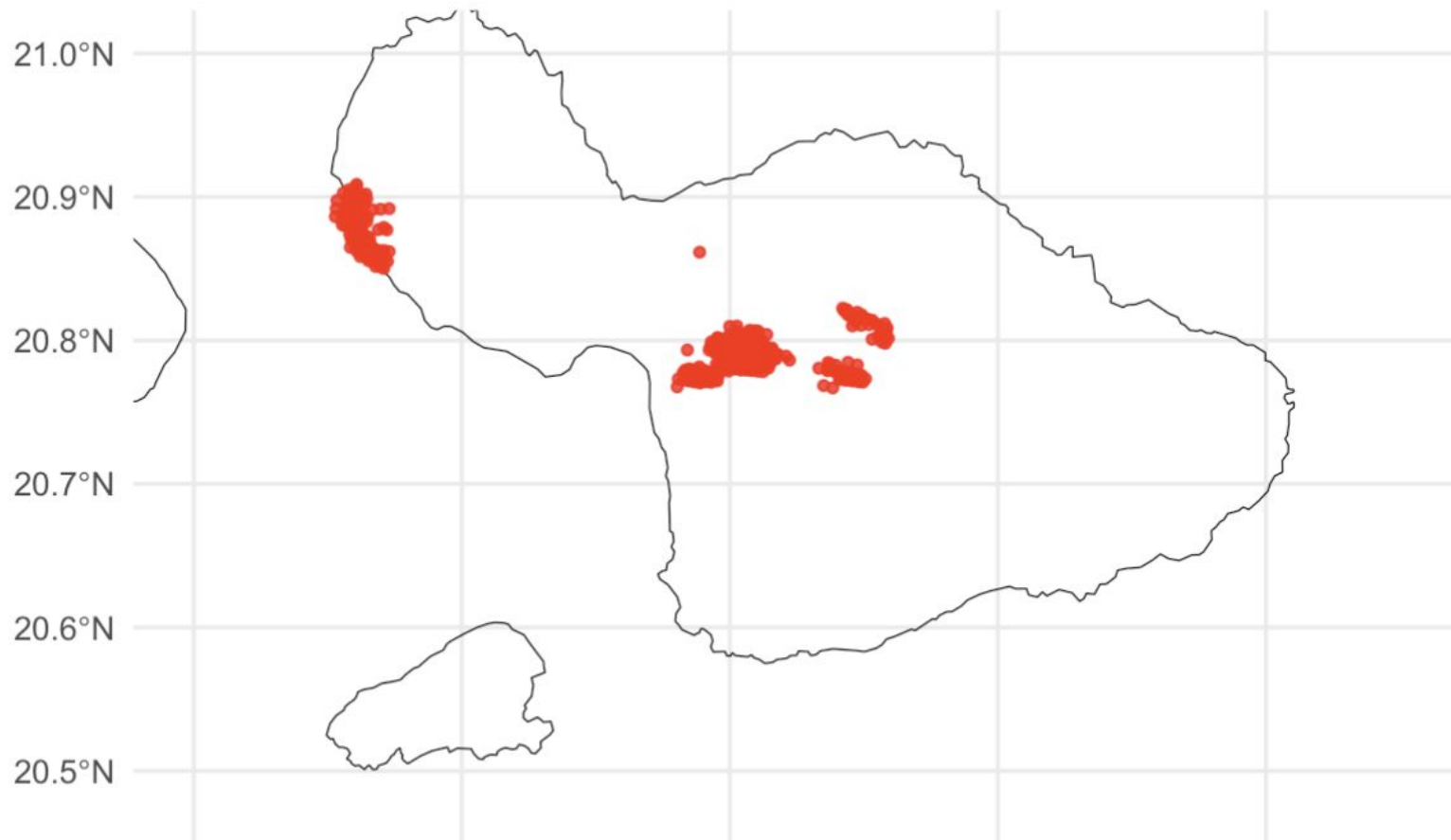


viirs

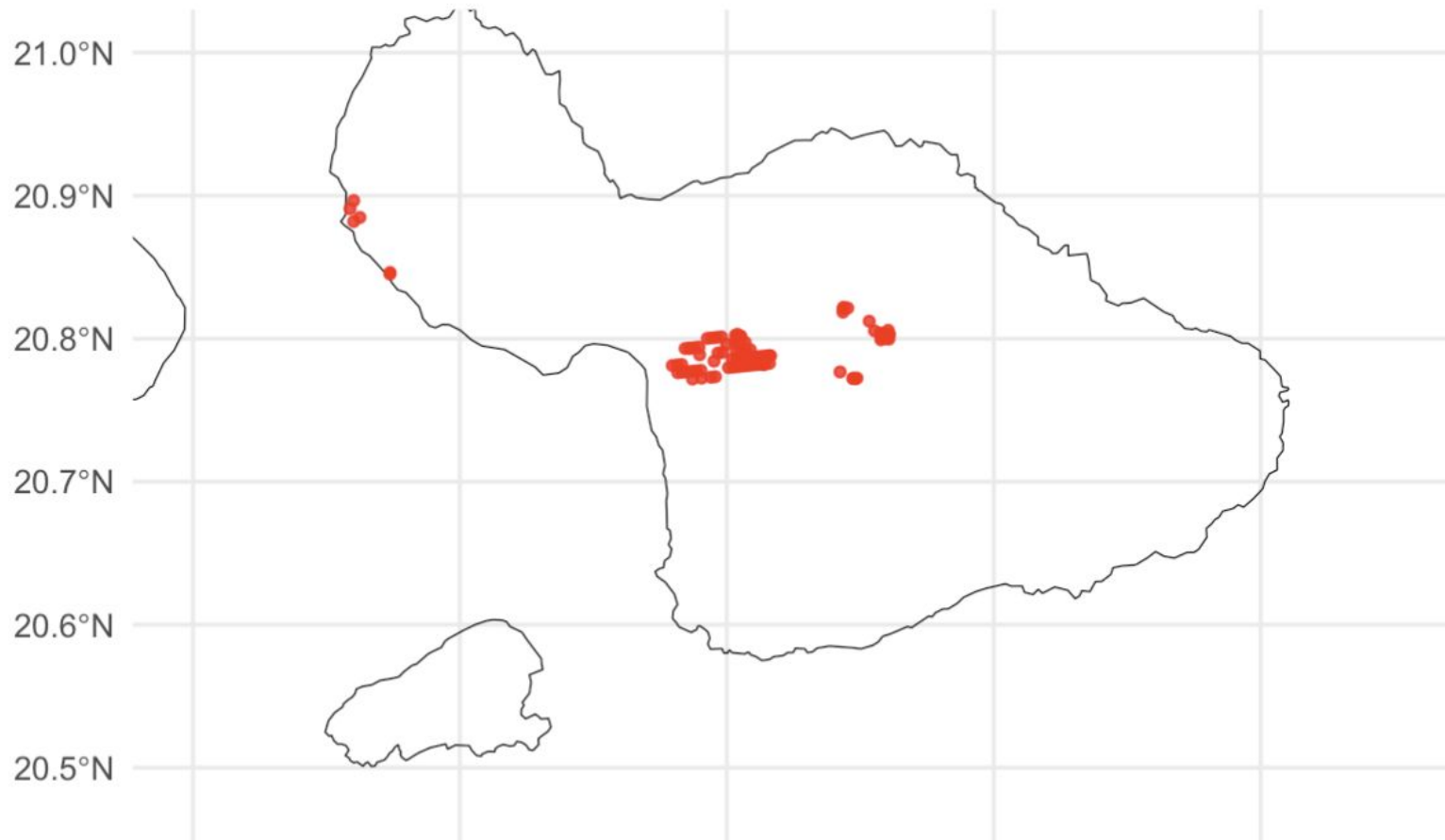
FIRMS Fire Detections on Maui: 2023-08-08



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&themeld=DEFAULT-THEME&visualizationUrl=U2FsdGVkX19%2FMRoWHo0rCTMktxtftCD%2BZvd4VSxEHa6U2yJ2bBbiJfuGJ6hO4pV%2B3ZipAOUKINAspBgr15I21FOzFpDJgN0YUtD5f7NKpfnoFIVGDBbXgpxiSrnoKDUjb&datasetid=S2_L2A_CDAS&demSource3D=%22MAPZEN%22&cloudCoverage=30&dateMode=SINGLE

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