



Using a Common Habitat Base

Jim Jacobi

U.S. Geological Survey

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State-wide Landcover Maps

- Hawai'i GAP Analysis (2006)
- NOAA CCAP (2012 and continuing updates)
- LANDFire (2009 and continuing updates)
- Hawai'i Carbon Assessment (2017)

Hawai`i Carbon Assessment

Selmants, P. C., C. P. Giardina, J. D. Jacobi, and Z. Zhiliang. 2017. Baseline and projected future carbon storage and carbon fluxes in ecosystems of Hawai'i. U.S. Geological Survey Professional Paper 1834, U.S. Geological Survey, Menlo Park, CA. 134 p

Baseline and Projected Future Carbon Storage and Carbon Fluxes in Ecosystems of Hawai'i
Editors: Paul C. Selmants, Christian P. Giardina, James D. Jacobi, and Zhiliang Zhu
U.S. Geological Survey Professional Paper 1834, 2017

Chapter 2. Baseline Land Cover

By James D. Jacobi,¹ Jonathan P. Price,² Lucas B. Fortini,¹ Samuel M. Gon III,³ and Paul Berkowitz¹

<https://pubs.er.usgs.gov/publication/pp1834>



Baseline and Projected Future Carbon Storage and Carbon Fluxes in Ecosystems of Hawai'i



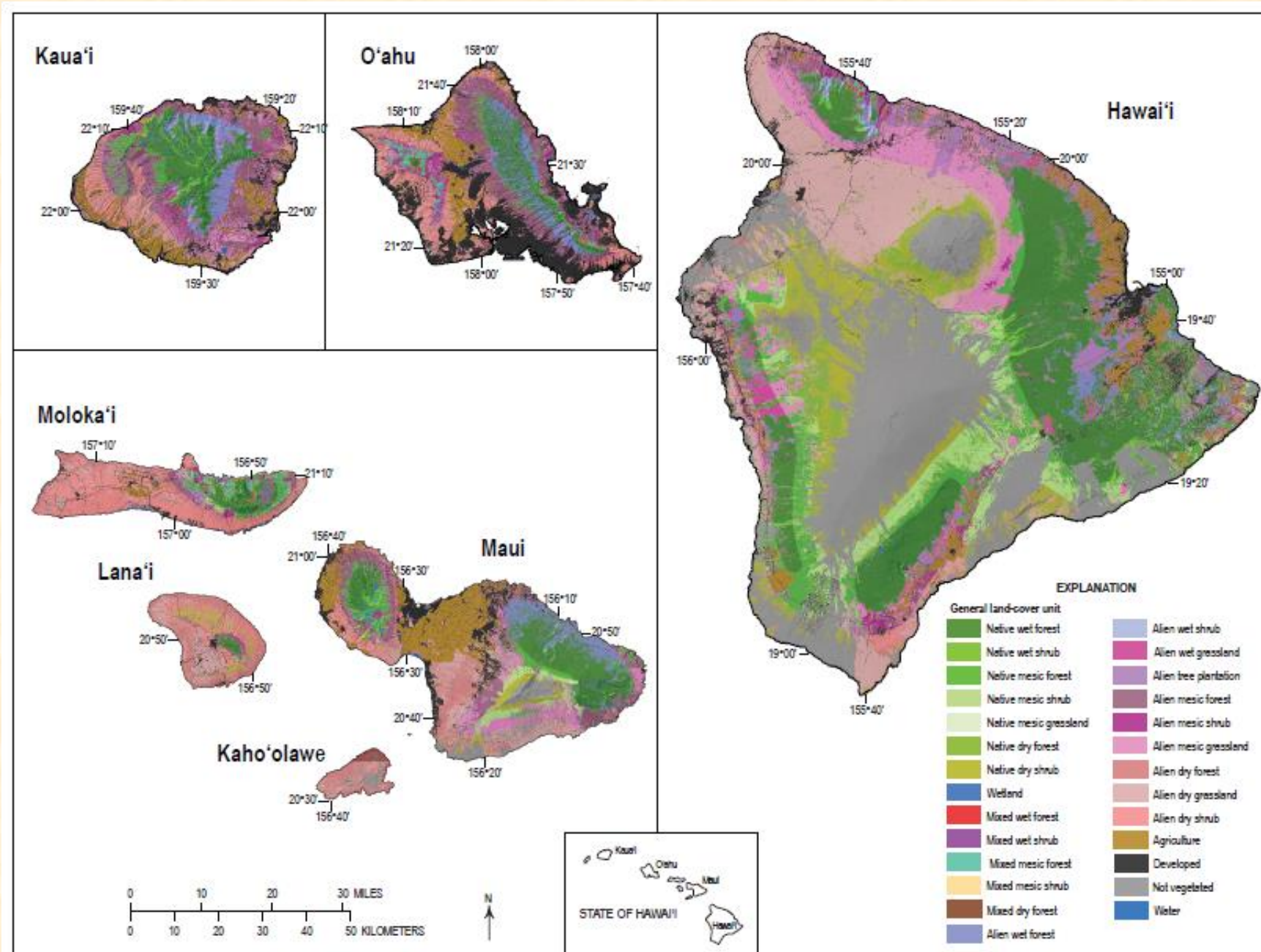
Professional Paper 1834

Department of the Interior
U.S. Geological Survey

The Hawai`i Carbon Assessment land-cover classification is hierarchical with:

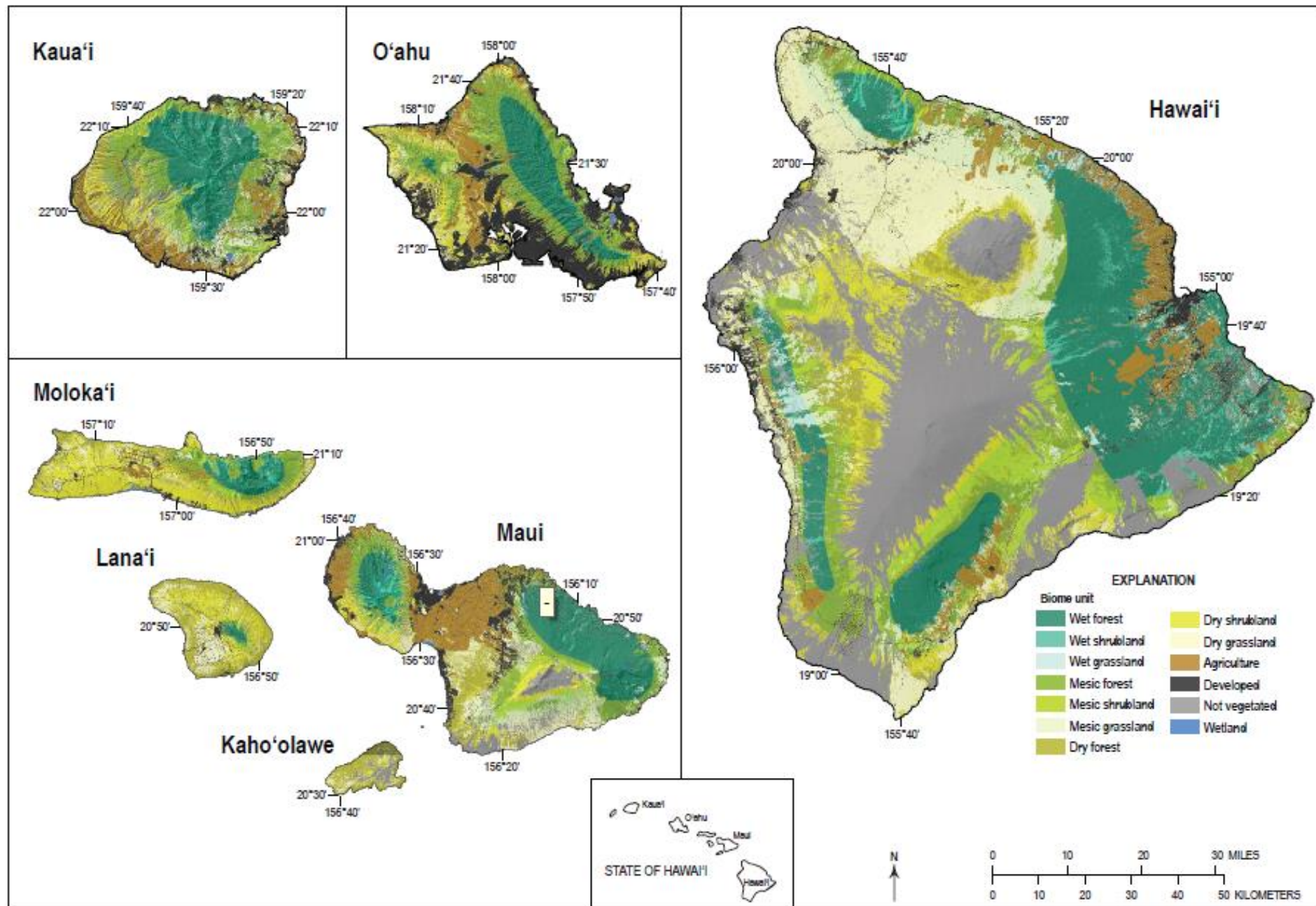
- 48 CAH Detailed land-cover units (dominant species)
- 27 CAH general land-cover units
- 13 CAH biome units
- 7 CAH major land-cover units

General Habitat Units

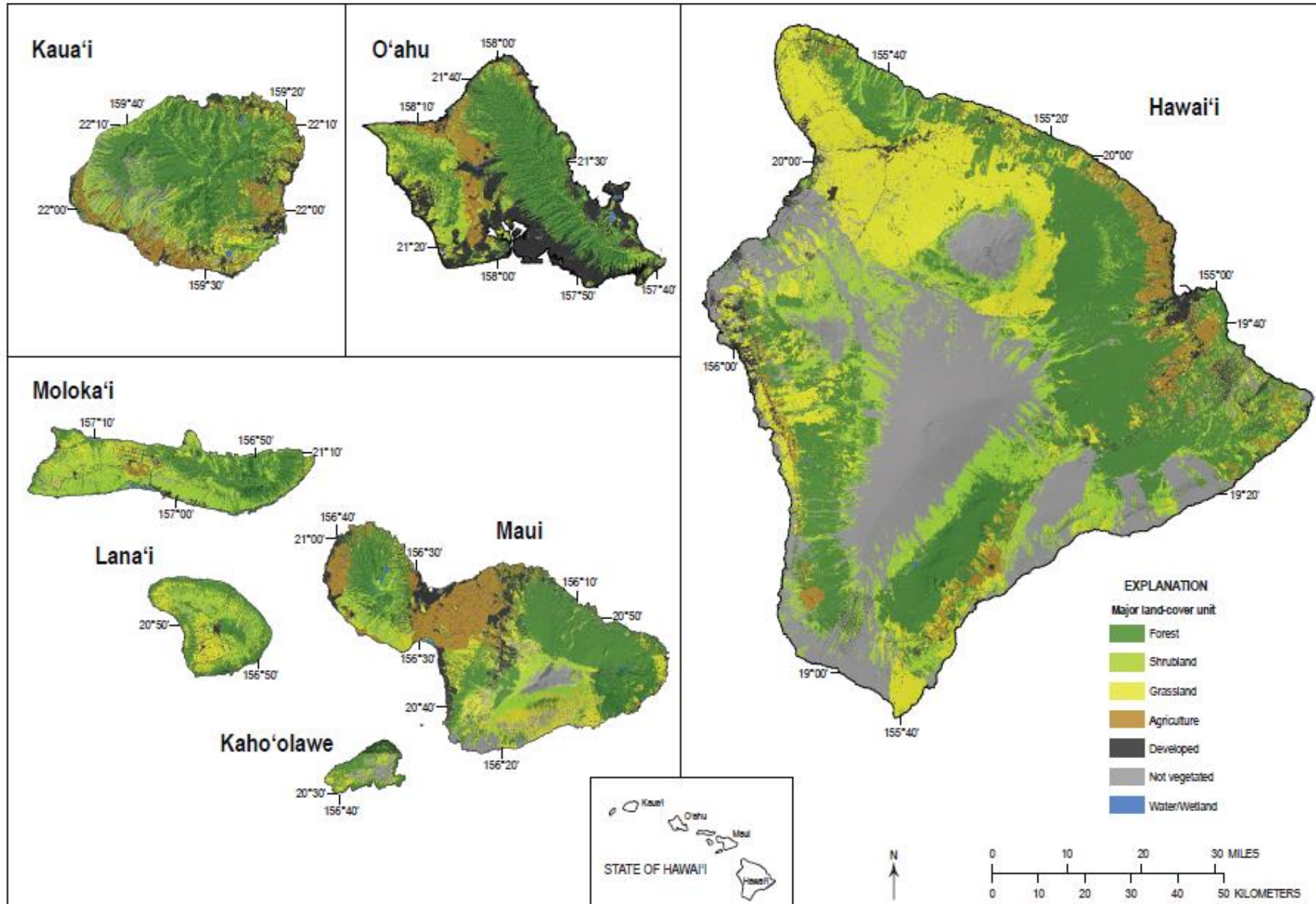


Shaded-relief base modified from U.S. Geological Survey National Elevation Dataset, 2015.

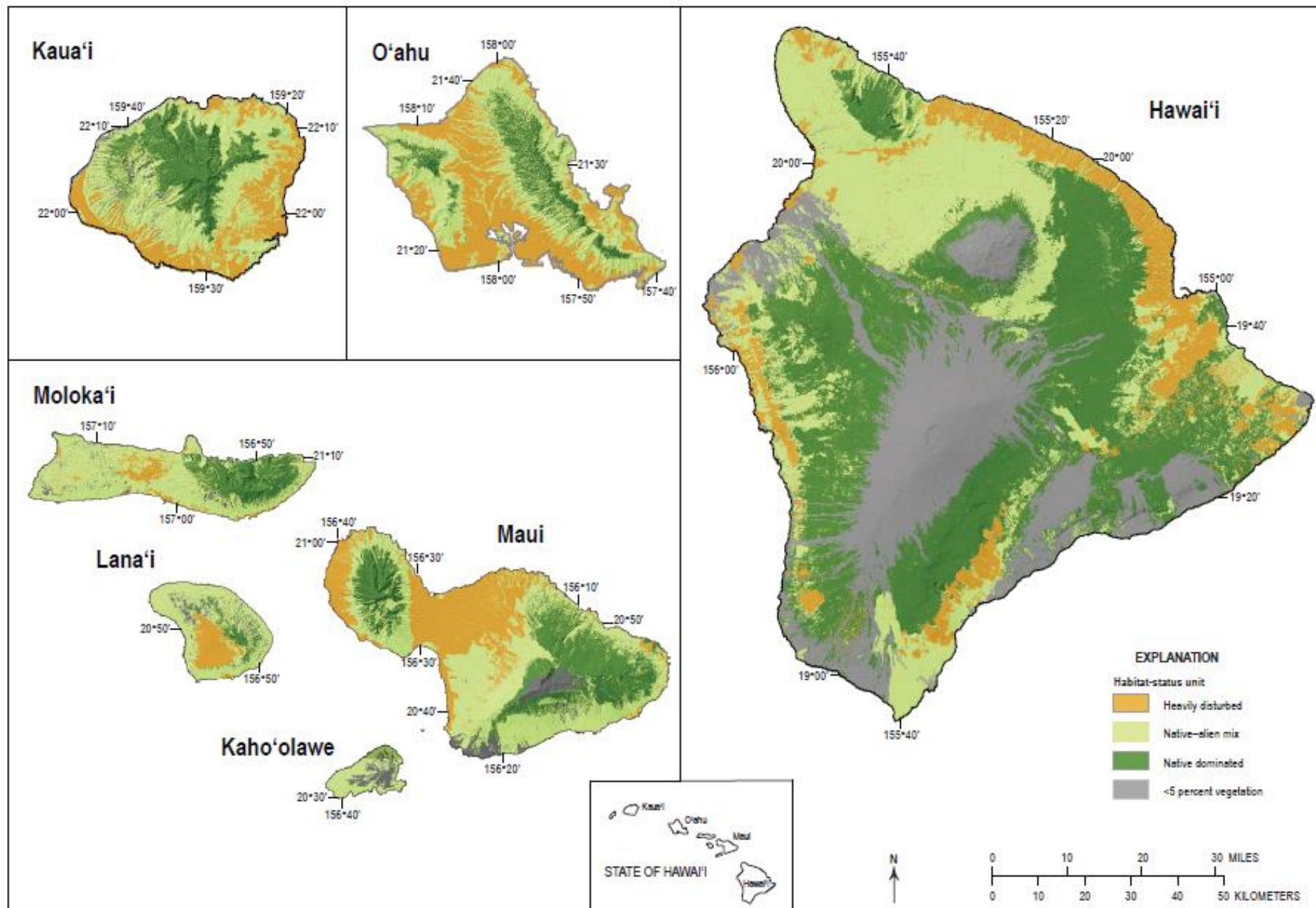
Biome Units



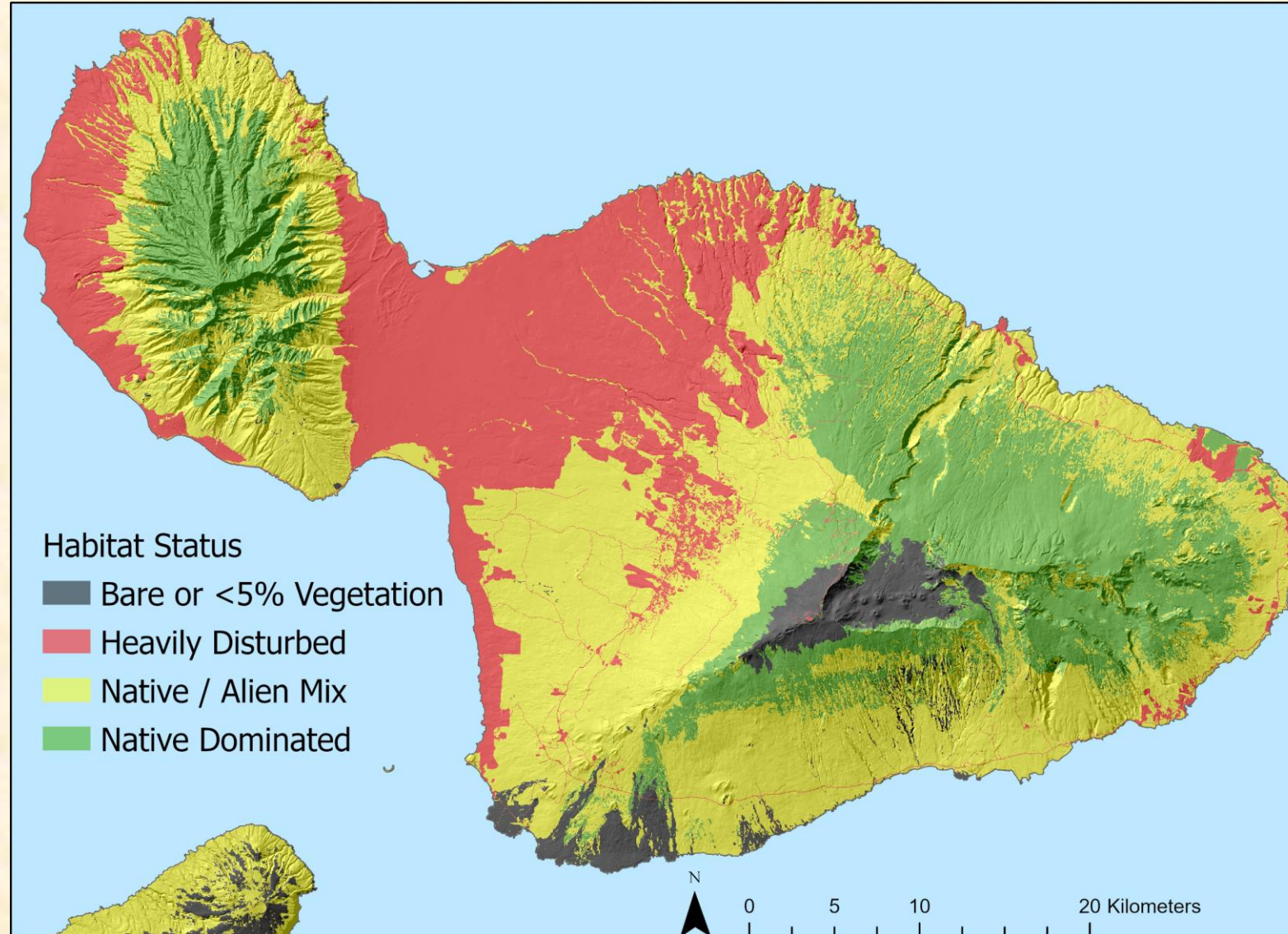
Major Landcover Units



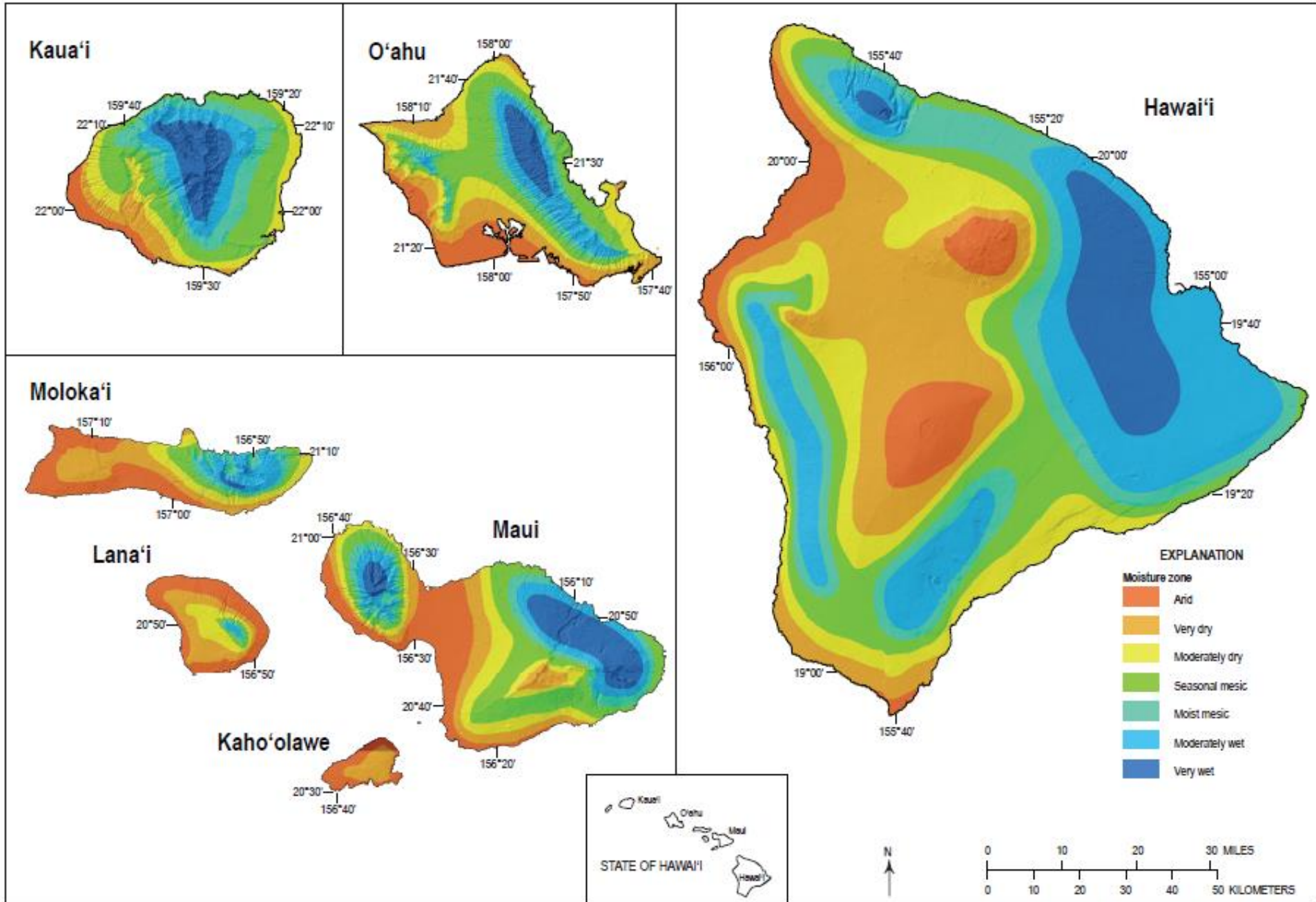
Habitat Status Units (adapted from Price et al., 2012)



Price, J. P., J. D. Jacobi, S. M. Gon, III, D. Matsuwaki, L. Mehrhoff, W. L. Wagner, M. Lucas, and B. Rowe. 2012. Mapping plant species ranges in the Hawaiian Islands-Developing a methodology and associated GIS layers. USGS Open-File Report Open File Report(2012-1192): 38



Moisture Zones (from Price et al. 2012)



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