



Shelter Cluster NWSW Cameroon

ShelterCluster.org

Coordinating Humanitarian Shelter

West Region, Cameroon Environmental Atlas



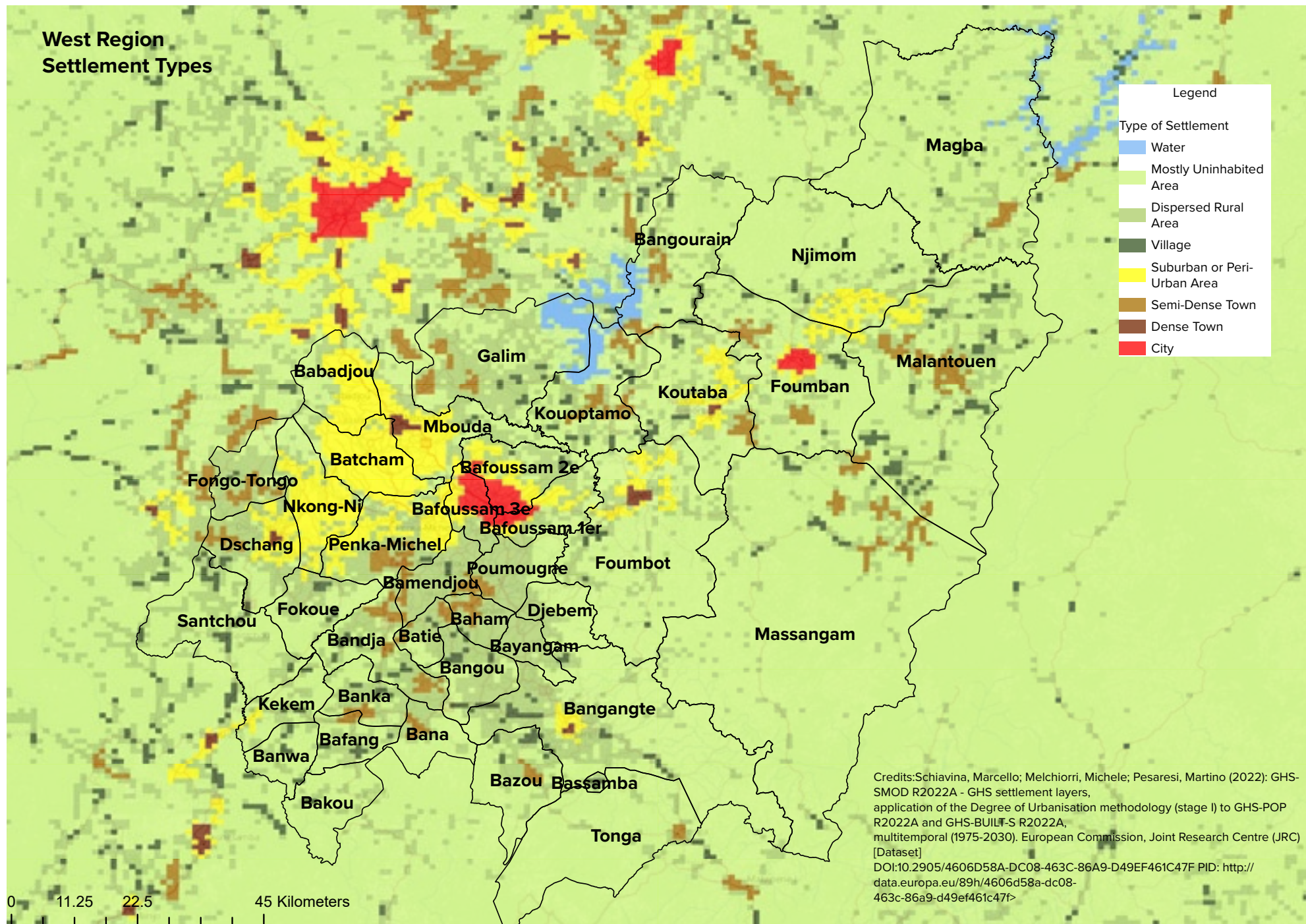
What follows is a mini environmental atlas of the West Region as a follow up to the Environmental Atlases which were prepared for the Northwest and Southwest Regions during the environmental workshops held in Bamenda and Buea. The atlas will serve as an initial entry point to some key data on the environment to be considered when working in the West Region. For more information on the Shelter Cluster's environmental mainstreaming, please see the following resources:

- [Northwest Region Shelter Cluster Report on Environmental Mainstreaming](#)
- [Southwest Region Shelter Cluster Report on Environmental Mainstreaming](#)

The maps contained in this atlas includes the following maps:

1. [West Region Settlement Typologies](#)- Global Human Settlements Layer Degree of Urbanisation
2. [West Region Estimated Population per Subdivision](#)- Landsat Oakridge Laboratory 2021
3. [West Region Number of IDPs per Subdivision](#)- OCHA August 2022 Multisector Needs Assessment
4. [West Region Ecoregions](#) - World Wildlife fund
5. [West Region Maximum Elevation Profile](#)- World Food Programme, Elevation Raster, Humanitarian Data Exchange Download
6. [Surface Lithodology](#) - ArcGIS Esri, Africa Surficial Lithology layer
7. [West Region Soil Texture](#) World Harmonised Soil Database Texture
8. [West Region Groundwater Productivity](#)- British Geological Survey, Groundwater Maps of Africa
9. [West Region Land Use and Land Cover Sentinel 2-10 M](#)
10. [West Region Biomass pe Hectare](#) UN Biodiversity Labs, detailed citation in map
11. [West Region Forest Fragmentation 2000-2018](#) World Wildlife Fund, NOAA

West Region Settlement Types



Legend

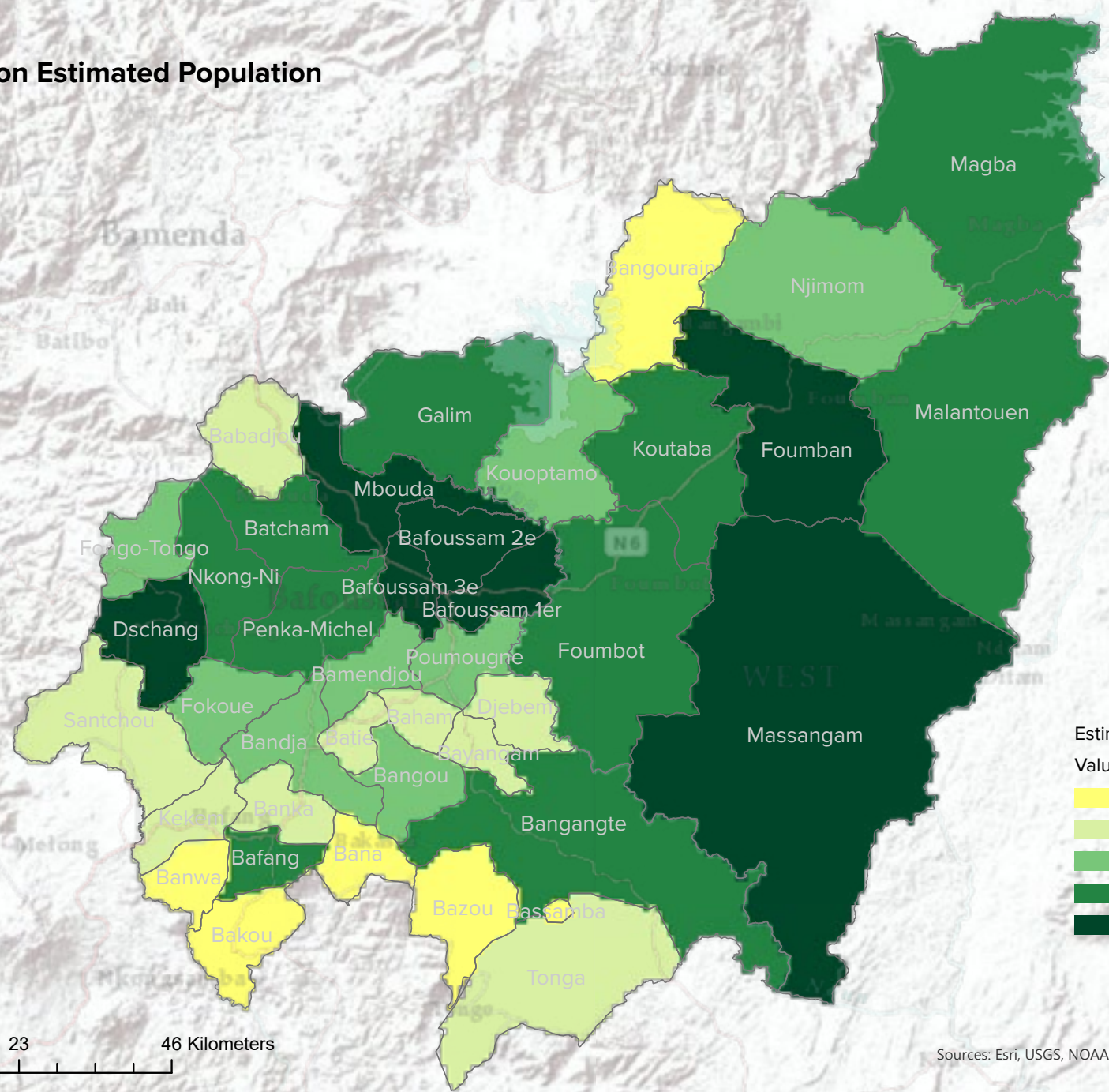
Type of Settlement

- Water
- Mostly Uninhabited Area
- Dispersed Rural Area
- Village
- Suburban or Peri-Urban Area
- Semi-Dense Town
- Dense Town
- City

0 11.25 22.5 45 Kilometers

Credits: Schiavina, Marcello; Melchiorri, Michele; Pesaresi, Martino (2022): GHS-SMOD R2022A - GHS settlement layers, application of the Degree of Urbanisation methodology (stage I) to GHS-POP R2022A and GHS-BUILT-S R2022A, multitemporal (1975-2030). European Commission, Joint Research Centre (JRC) [Dataset]
 DOI:10.2905/4606D58A-DC08-463C-86A9-D49EF461C47F PID: <http://data.europa.eu/89h/4606d58a-dc08-463c-86a9-d49ef461c47f>

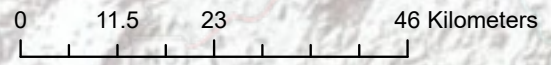
West Region Estimated Population



Legend

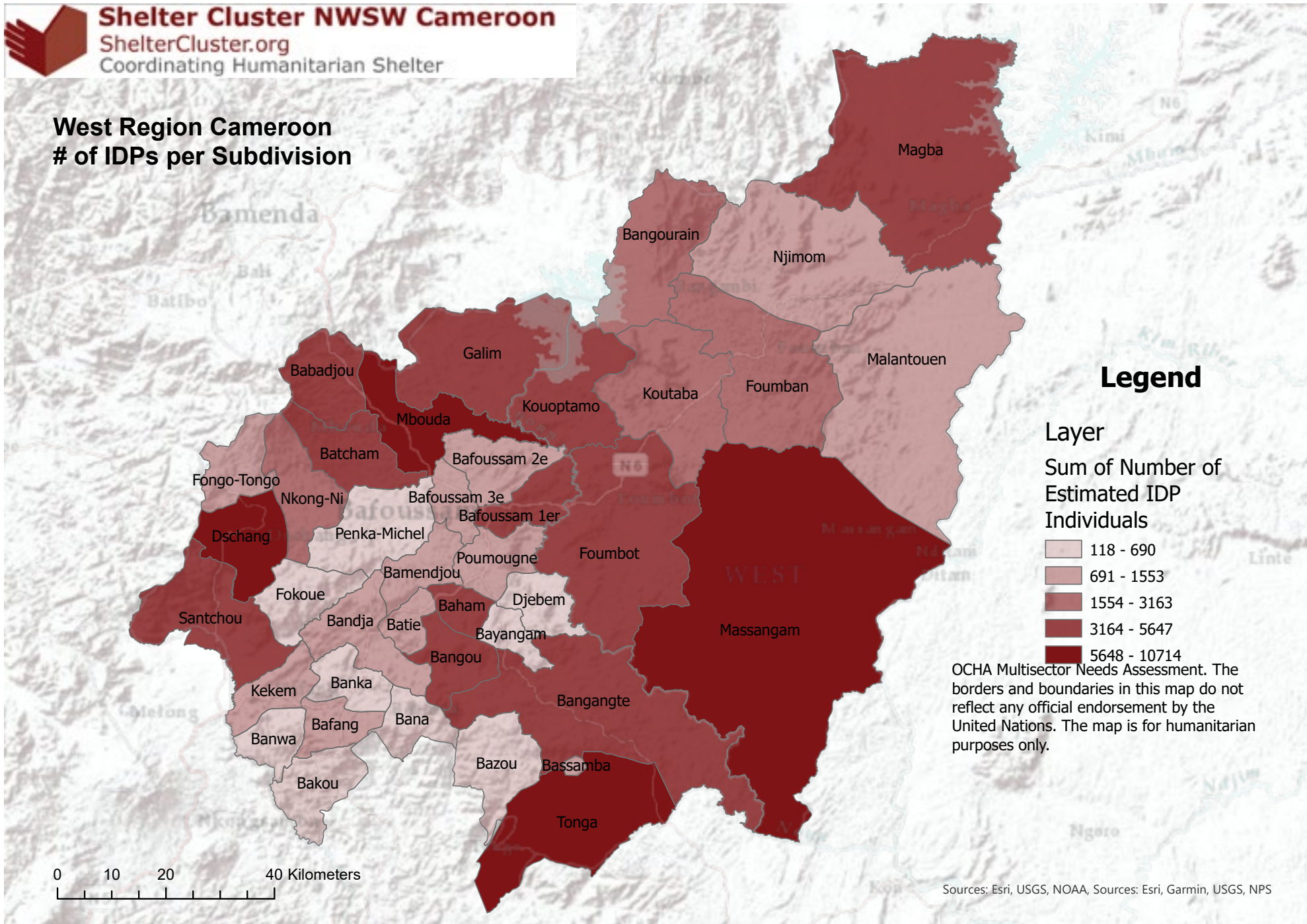
Estimated Population Value

- 4,206 - 19,083
- 19,084 - 31,172
- 31,173 - 55,350
- 55,351 - 103,705
- 103,706 - 241,331



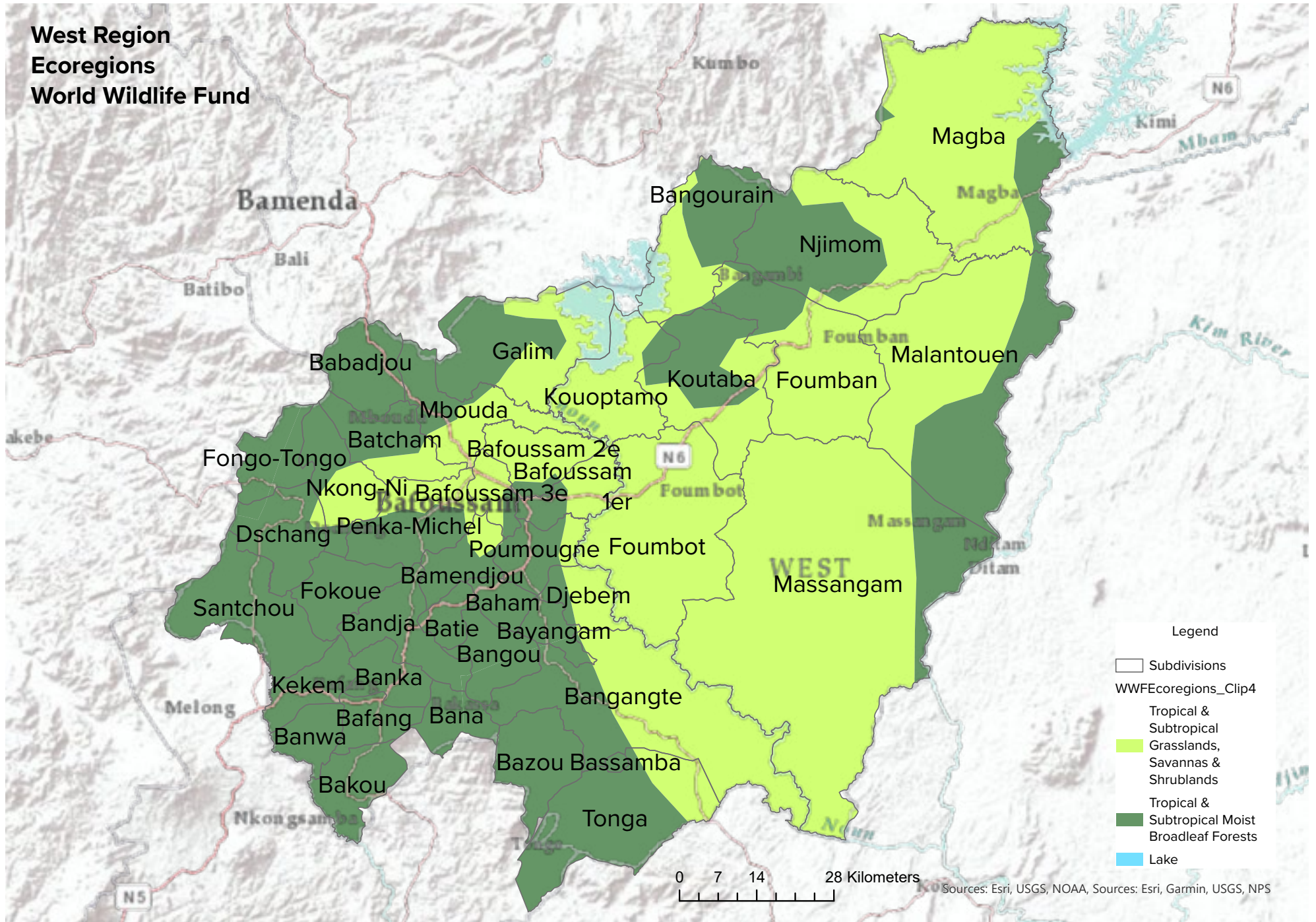
Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

**West Region Cameroon
 # of IDPs per Subdivision**

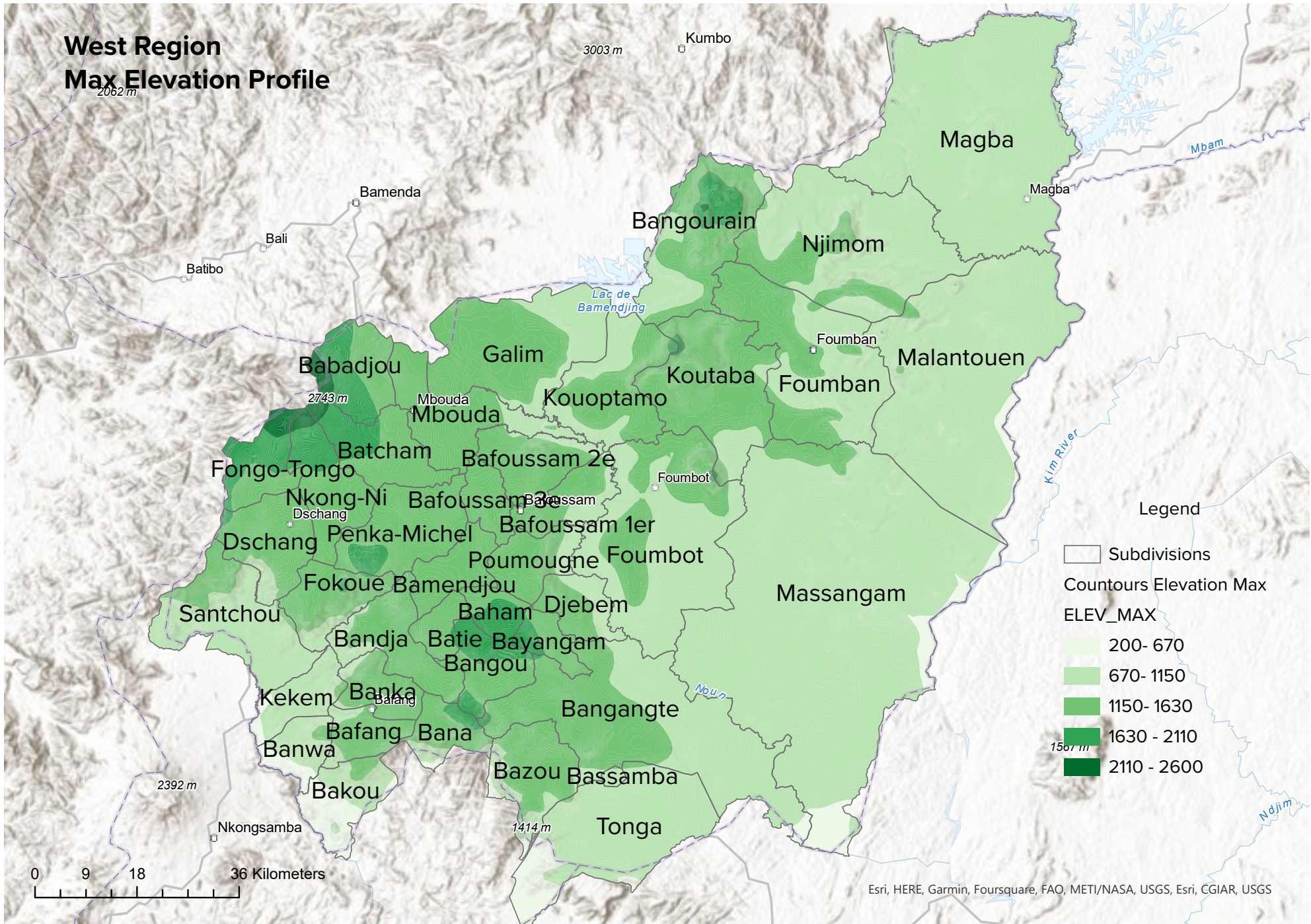


0 10 20 40 Kilometers

**West Region
Ecoregions
World Wildlife Fund**



West Region Max Elevation Profile



Esri, HERE, Garmin, Foursquare, FAO, METI/NASA, USGS, Esri, CGIAR, USGS

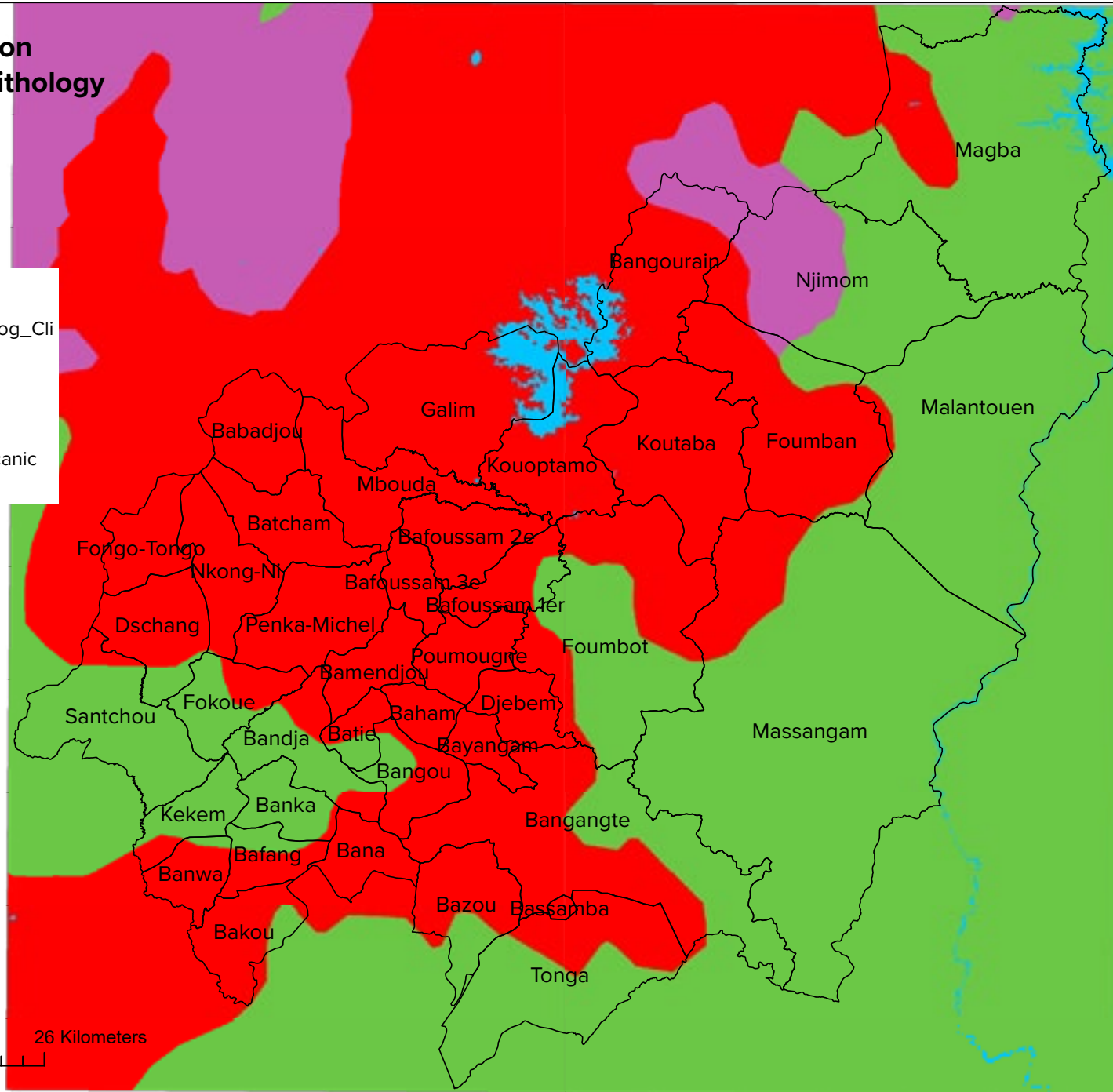
West Region Surficial Lithology

Legend

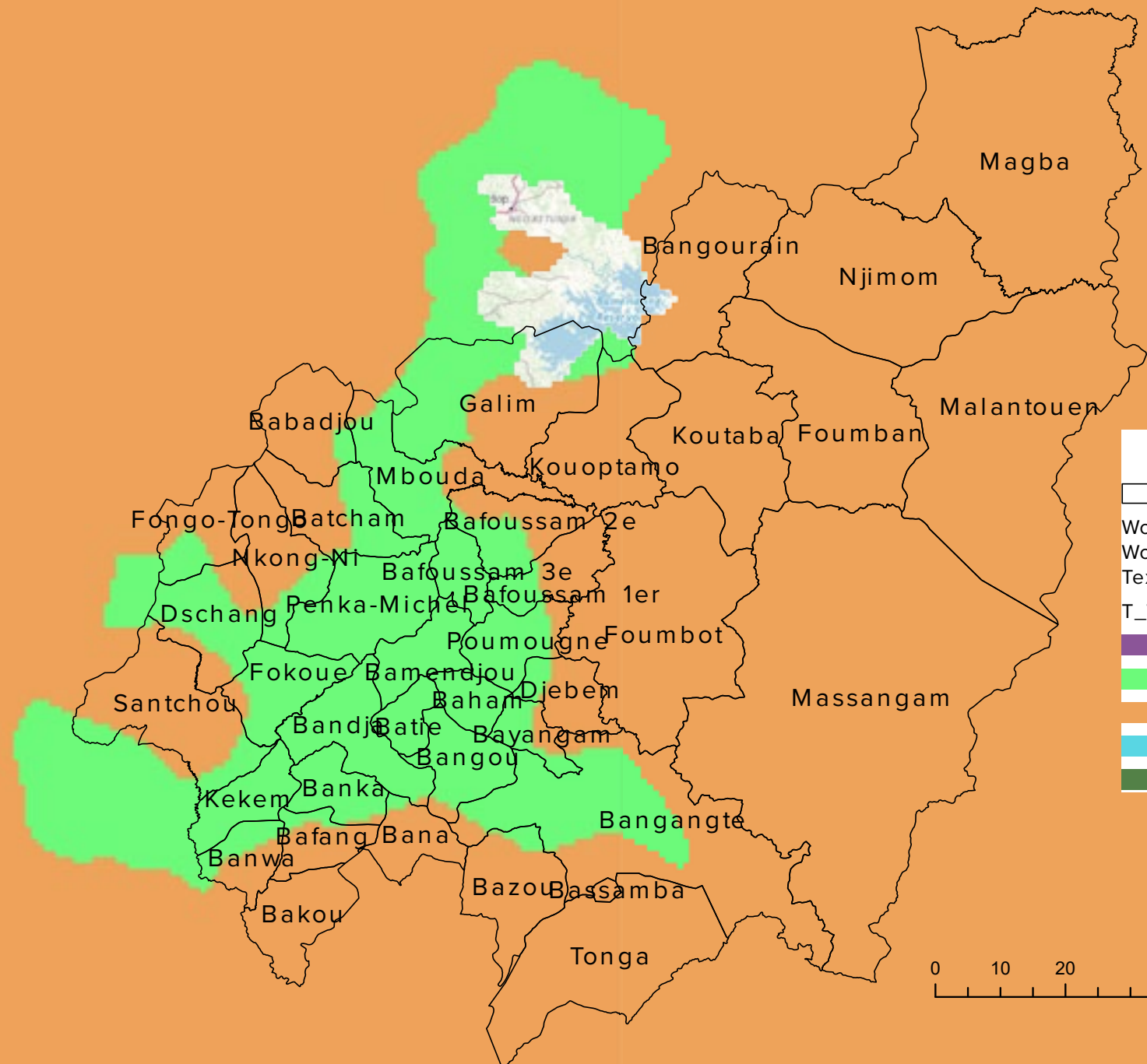
AfricaSurficialLitholog_Cli

ClassName

- Silicic
- Metagneous
- Extrusive Volcanic
- Water



West Region Soil Texture



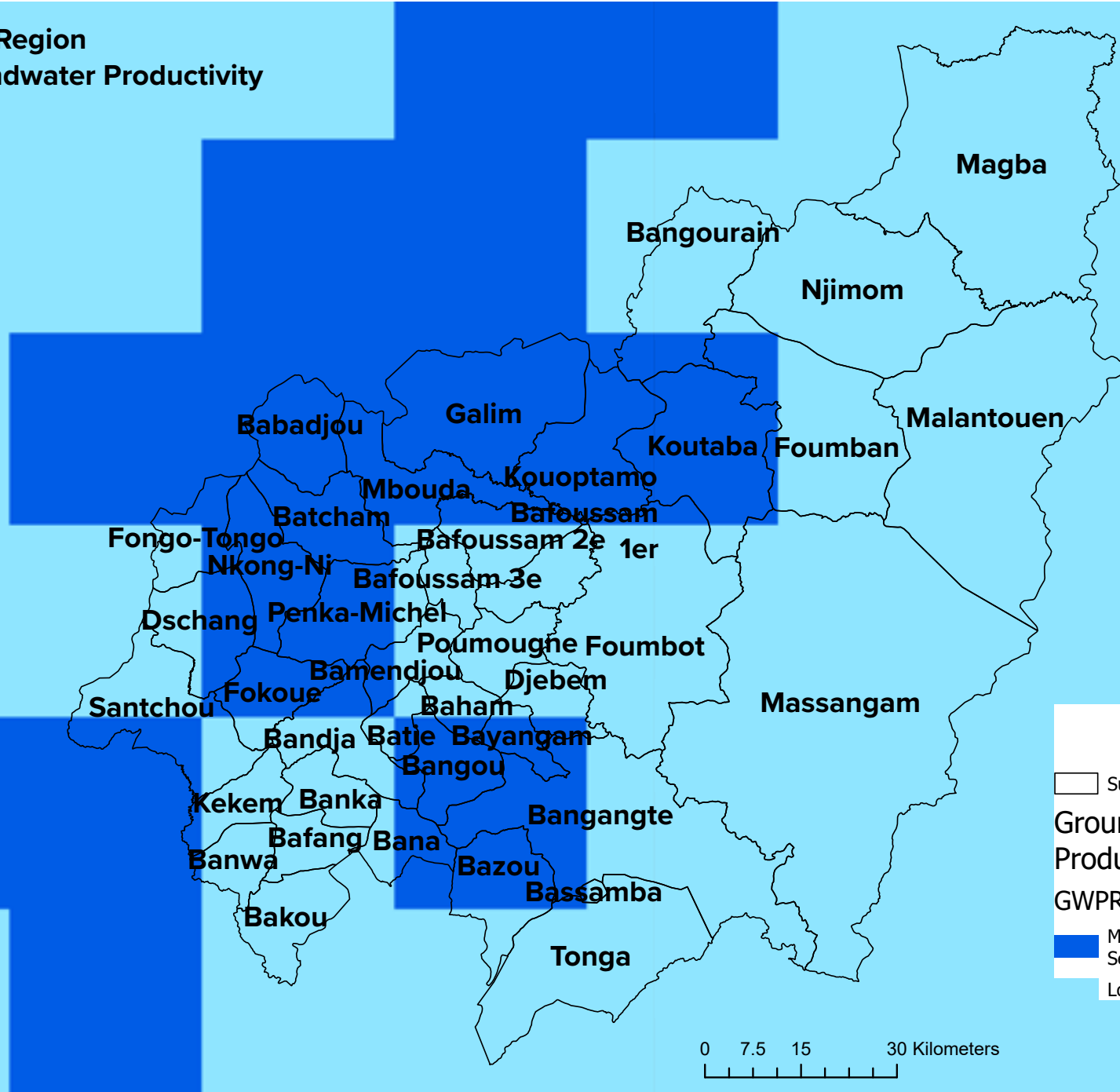
Legend

- Subdivisions
- World Soils Harmonized World Soil Database - Texture
- T_TEXTURE
- Coarse
- Fine
- Medium
- None
- Unknown



Source: FAO, Esri

West Region Groundwater Productivity



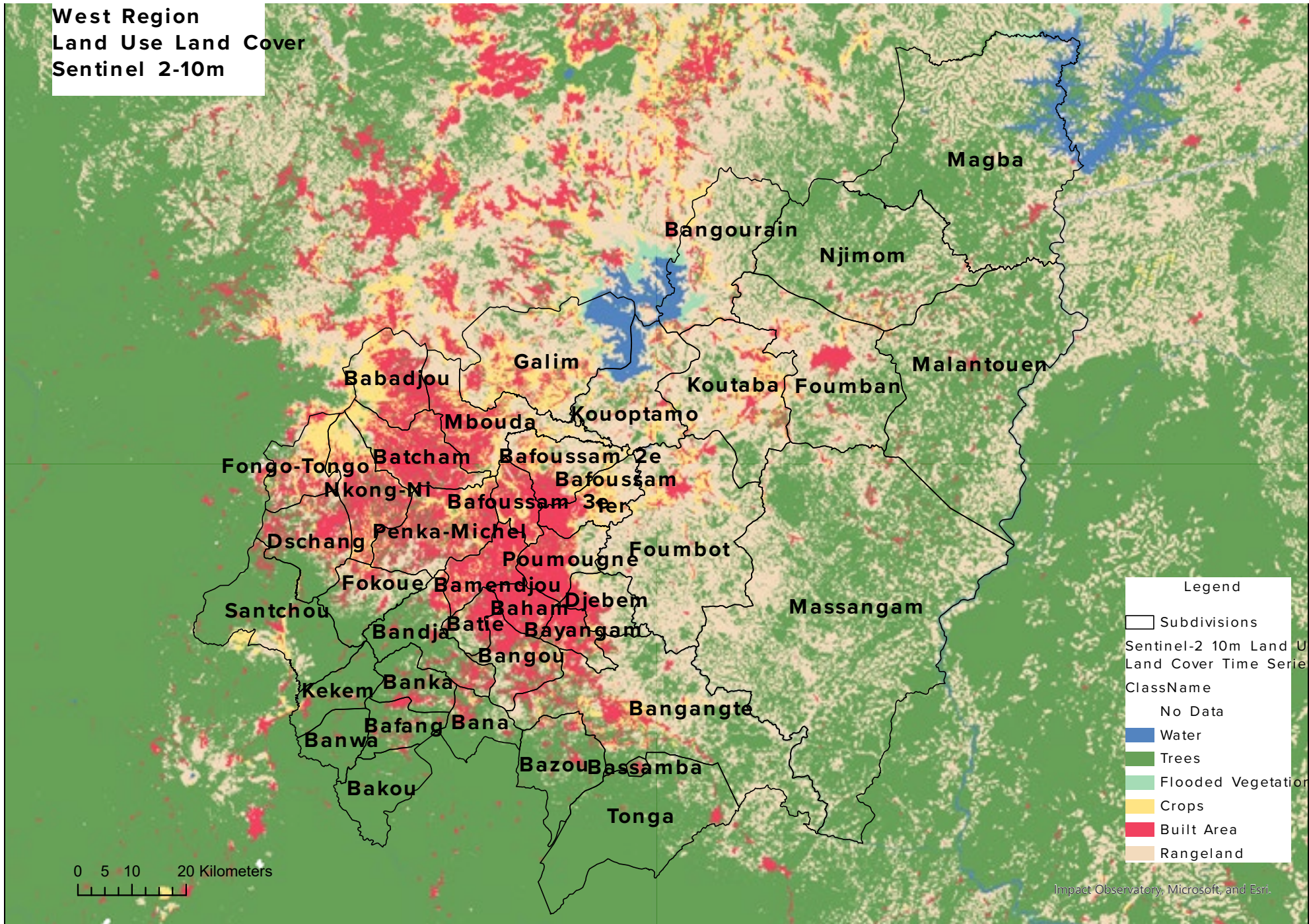
Legend

- Subdivisions
- Ground Water Productivity
- GWPROD_V2
- Medium 1-5 L Per Second
- Low .1-.5 L Per Second



Sources: Esri, USGS, NOAA

**West Region
Land Use Land Cover
Sentinel 2-10m**



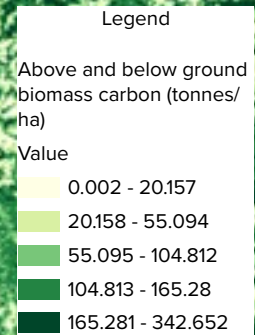
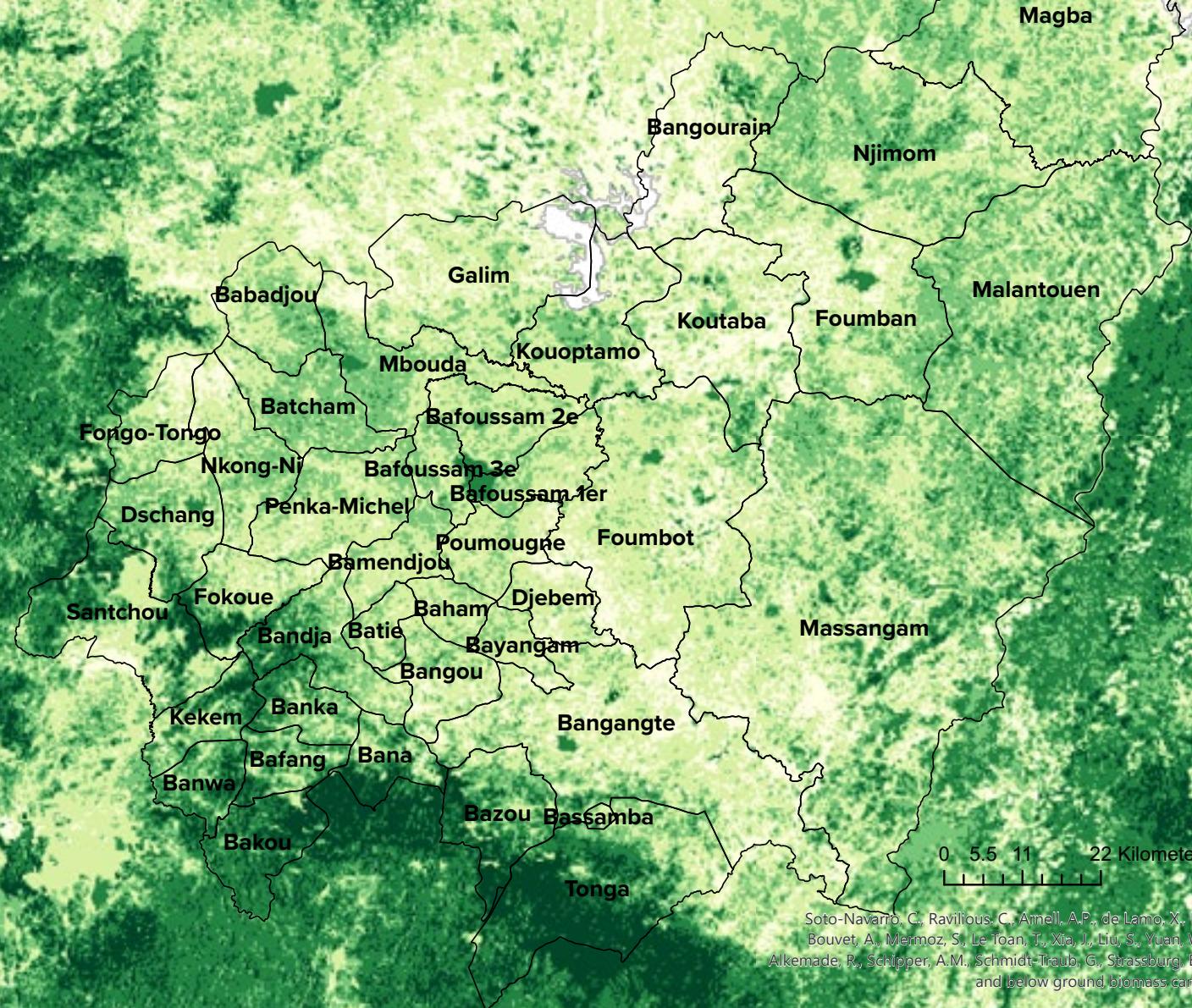
0 5 10 20 Kilometers

Legend

- Subdivisions
- Sentinel-2 10m Land U
- Land Cover Time Serie
- ClassName
- No Data
- Water
- Trees
- Flooded Vegetation
- Crops
- Built Area
- Rangeland

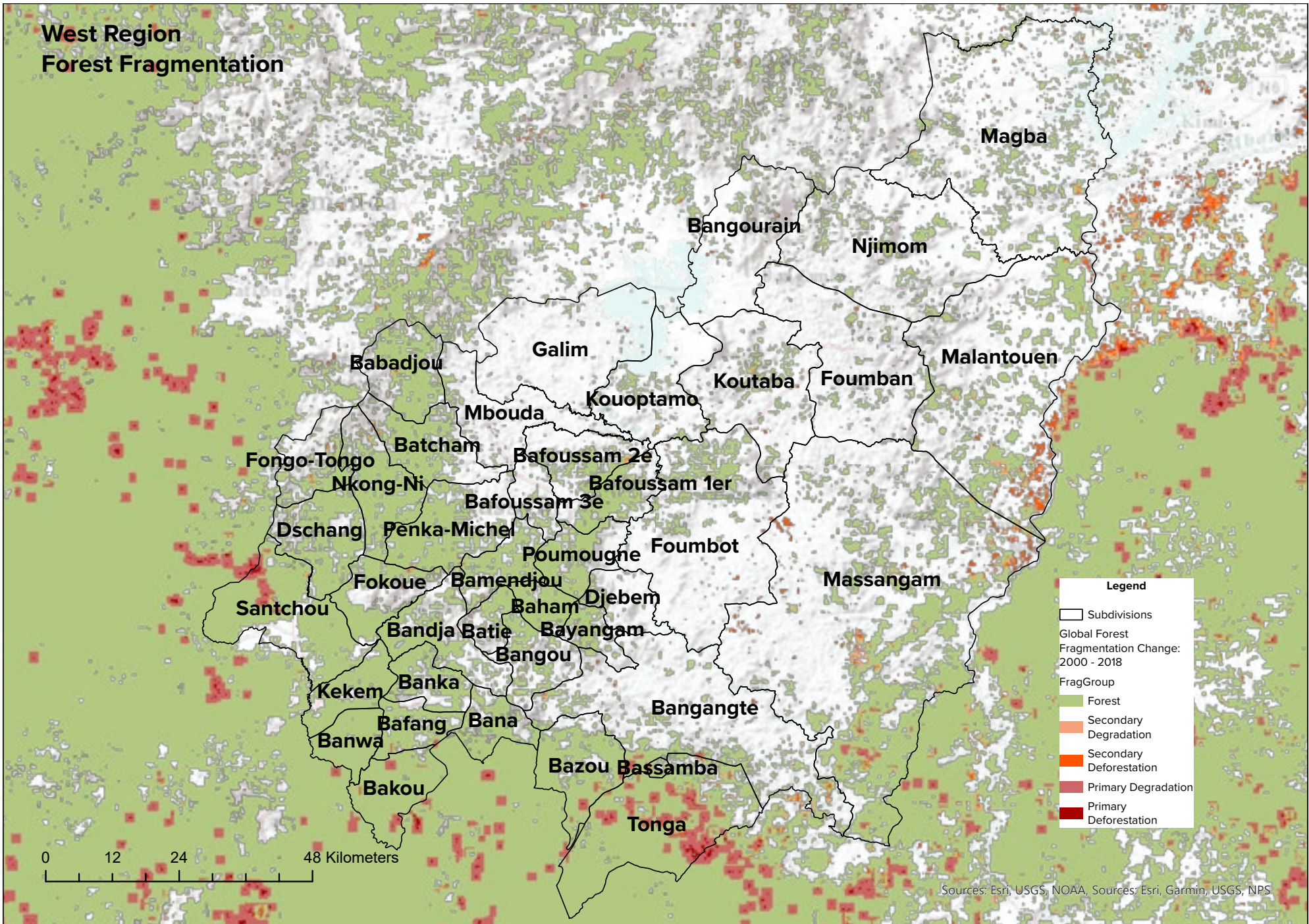
Impact Observatory, Microsoft, and Esri.

**West Region
Above and Below Ground
Biomass Carbon
Tonnes per Hectare**



Soto-Navarro, C., Ravillious, C., Amell, A.P., de Lamo, X., Harfoot, M.B.J., Hill, S.L.L., Wearn, O.R., Santoro, M., Bouvet, A., Mermoz, S., Le Toan, T., Xia, J., Liu, S., Yuan, W., Spawn, S.A., Gibbs, H.K., Fenner, S., Harwood, T., Alkemade, R., Schipper, A.M., Schmidt-Traub, G., Strassburg, B.B.N., Miles, L., Burgess, N., Kapos, V., 2020. Above and below ground biomass carbon density. <https://doi.org/10.34892/RH7V-HG80>

**West Region
Forest Fragmentation**



Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS