Table 2 Datasets used in this study. All datasets derived at 30 m spatial resolution. Forest structural attributes were generated from lidar returns at the plot level then imputed across the study area using Landsat data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Dataset | Metric Group | Name | Date | Metric | Sources |
| Forest Structure | Primary; Extracted directly from the lidar data | Canopy Height | 2015 | 95th height percentile of lidar returns | Matasci et al. (2018a; 2018b) |
| Canopy Cover | 2015 | Proportion of lidar returns above 2m |
| Structural Complexity | 2015 | Coefficient of variation of lidar returns |
| Modelled; Modelled based on the lidar data and field information | Gross Stem Volume | 2015 | Total volume of trees / lidar plot (30 m pixel) |
| Basal Area | 2015 | Total cross sectional tree area / lidar plot (30 m pixel) |
| Aboveground Biomass | 2015 | Total tree biomass / lidar plot (30 m pixel) |
| Dynamic Habitat Index (DHI) | Response variables | Cumulative DHI | 2011-2020 | Sum of synthetic year of NDVI observations | Radeloff et al. (2019); Razenkova et al. (2022; In Press) |
| Variation DHI | 2011-2020 | Coefficient of variation of synthetic year of NDVI observations |
| Cumulative DHI | 2011-2020 | Minimum of synthetic year of NDVI observations |