

Status

Please note that this is a prototype version of the map. Work is ongoing to improve the imagery data by selecting better quality scenes to mosaic, as well as improving the model to prevent false predictions in untrained areas. Where there are sharp edge artifacts in tree cover this is usually due to low quality satellite scenes or irregular histogram matching, which will be improved in the next version.

Data format

The data type for all maps is Byte. Nodata areas are set to 255, and include a water/wetlands mask as well as areas masked due to missing, cloudy or low-quality satellite scenes.

Unit

For 1m and 3m products, the unit is a binary classification: 0 is background, 1 is tree.

For 10m, 30m, 100m etc, the unit is the % canopy cover per pixel, which is calculated by averaging the binary cover of all 1m pixels across the larger pixel. This preserves the quantitative canopy cover information at single tree level while reducing the output file size.

The total area of solid canopy cover for a given extent can be calculated by summing the % cover values of all pixels and multiplying by the resolution's pixel area.

Comparison of resolutions

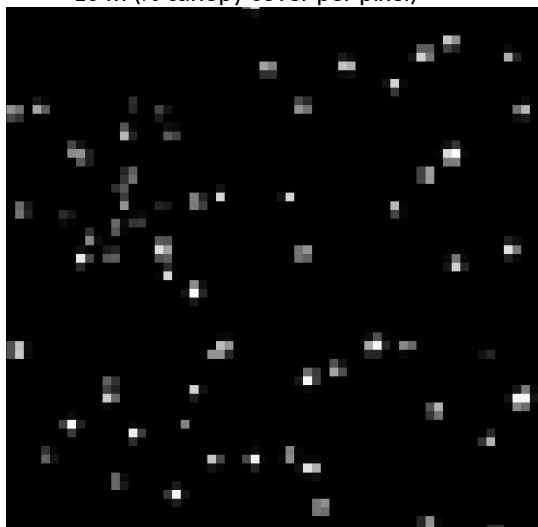
1 m (binary tree/background)



3 m (binary tree/background)



10 m (% canopy cover per pixel)



30 m (% canopy cover per pixel)

