

FOREST INVENTORY:

FLORESTA NACIONAL DO TAPAJÓS

TAP_A01_2015_2016_2018_INVENTORY

1.0 GENERAL INFORMATION

The Forest Inventory Floresta Nacional do Tapajós (TAP_A01_2015_2016_2018_inventory) is located in Pará State, Brazil. A total of 9 50x50m plots (see Fig. 1) were measured in 2015, 2 plots were remeasured in 2016 and the all nine plots were remeasured in 2018.

Trees with diameter at breast height (DBH) equal to or greater than 10cm were accounted for and measured within the plot area (50x50m) in 2015 and 2016 inventory (Figure 1-A). In 2018, all individuals were remeasured (within the plot area) and the recruits (DBH equal to or greater than 10cm) were measured within the subplot area of 20x50m (Figure 2-B – grey area).

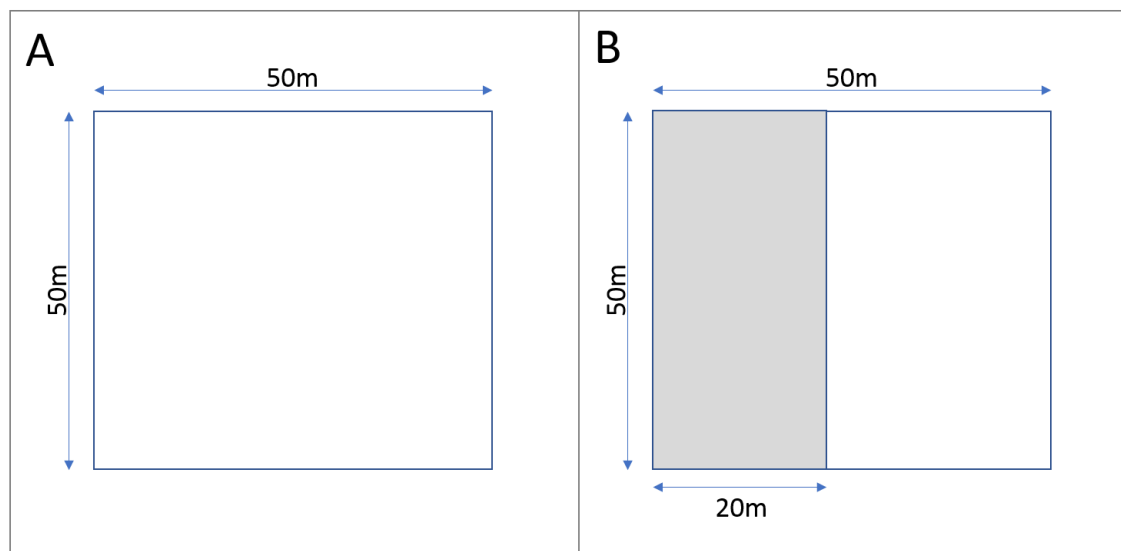


FIG 1. REPRESENTATION OF THE INVENTORY PLOT CONFIGURATION IN 2015 AND 2016 (A) AND PLOT CONFIGURATION FOR RECRUITS IN 2018 (B).



2.0 INVENTORY DATA RECORDED - .CSV FILE CONTENT

For each tree the following measurements were recorded:

area: a code name given to the area.

plot: the plot identification code.

tree: tree number

common.name: tree common name.

scientific.name: tree scientific name.

family.name: tree family name

type(class) Divided into four classes:

Liana (L): woody vines, inclusion was based on the position of the vine at 1.3 m above the ground, not the rooting position.

Palms (P): leafed palms, inclusion based on the diameter at the ground surface. Litter was removed from around the base for measurement.

Other (O): Trees

DBH (cm): Diameter at breast height, 1.3 m above the ground.

dead: Standing dead.

d.class: Decomposition Class (Keller et al, 2004¹)

Hcom: Commercial Height (m), measured using a clinometer and tape as the height to the highest point of the tree crown.

Htot: Total Height (m), measured using a clinometer and tape as the height to the highest point of the tree crown.

RN (m): Radius to the north of the tree crown. Measured standing directly under the north-most leaf, with the measuring tape pulled due South until directly east/west of the trunk. If the canopy is offset from the trunk, any of the radius measurements can be negative.

RS (m): Radius to the south of the tree crown.

RE (m): Radius to the east of the tree crown.

RW (m): Radius to the west of the tree crown.

date (ISO 8601): data collection date

UTM_Easting: X coordinate of tree individual location

UTM_Northing: Y coordinate of tree individual location

3.0 COMPLEMENTARY INFORMATION

NA = not available/not applicable

Variables collected in the forest inventory carried out in 2015 or 2016 will have it stated in the variable name. Example: "DBH.2015" - Diameter at breast height collected in 2015.

4.0 REFERENCES

(¹)Keller, M., Palace, M., Asner, G.P., Pereira, R. & Silva, J.N.M.(2004) Coarse woody debris in undisturbed and logged forests in the eastern Brazilian Amazon. *Global Change Biol.* 10 (5), 784–795.