FOREST INVENTORY: BONAL

BON_A01_2014_INVENTORY

1.0 GENERAL INFORMATION

The Forest Inventory Bonal (BON_A01_2014_Inventory) was carried out in Senador Guimard municipality, Acre, Brazil. A total of 10 50x50m plots were measured. The plots are organized in 2 sets (5 plots/set), each set being composed of 3 reference lines (see Fig. 1). Trees with diameter at breast height (DBH) equal to or greater than 35cm were accounted for and measured within the plot area whereas trees with DBH equal to or greater than 10cm were only measured within the subplot area (see Fig. 2).

One set comprised the following plots: P1, P2, P3, P4 and P5. The other set, which was allocated in a burnt area, was formed by the subsequent plots: P6, P7, P8, P9 and P10.
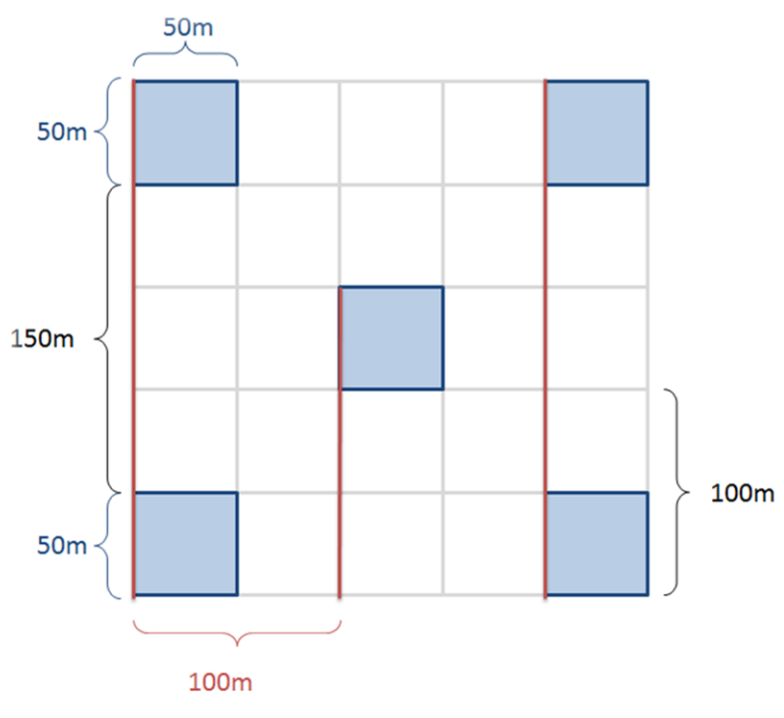

FIG 1. ILLUSTRATION OF THE SET WITH 5 INVENTORY PLOTS (BLUE POLYGON) AND THE 3 REFERENCE LINES (RED LINE).
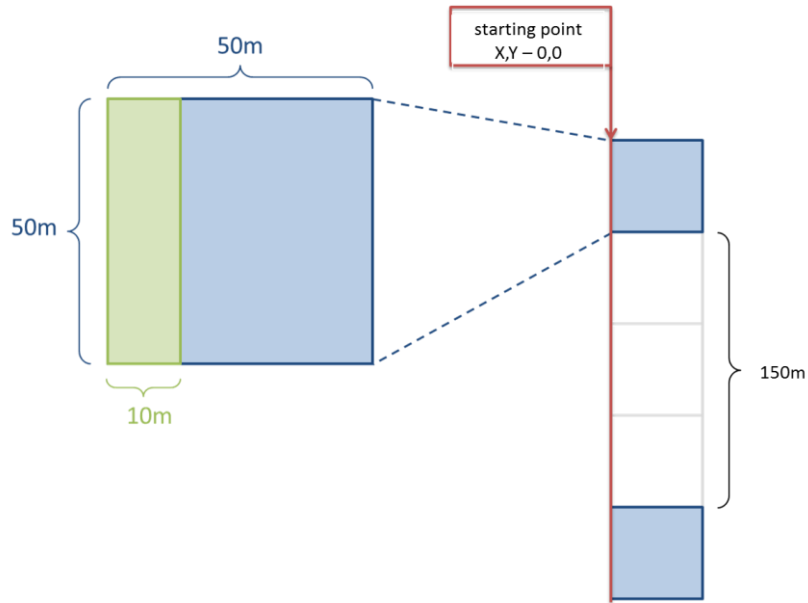
FIG 2: REPRESENTATION OF ONE TYPE OF REFERENCE LINE (RED LINE),THE 50 X 50M PLOT (BLUE POLYGON) AND THE 10 X 50M SUBPLOT (GREEN AREA).
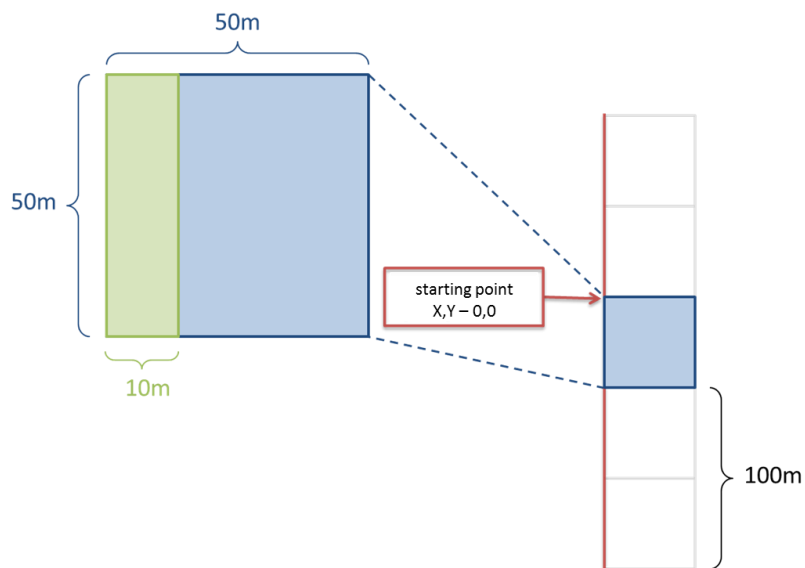

FIG 3: FIG 2: REPRESENTATION OF THE SECOND TYPE OF REFERENCE LINE (RED LINE)

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_ID: the plot identification code.

tree: tree number

common_name: tree common name.

scientific_name: tree scientific name.

family_name: tree family name

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

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.

Trunked palms (Pt): palms with a trunk measurable at 1.3 m

Other (O): Trees

dead: Standing dead tree.

d_class: Decomposition Class (Keller et al, 2004[1])

Date (ISO 8601): date

Burnt_area: areas which have been burnt.

UTM_Easting: UTM easting coordinate of the tree – zone 19S (tree individual location calculated based on measurements of tree X position with respect to the transect).

UTM_Northing: UTM northing coordinate of the tree – zone 19S (tree individual location calculated based on measurements of tree Y position with respect to the transect).

3.0 COMPLEMENTARY INFORMATION

NA = not available/not applicable

NI = not identified

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.